

24-Mar-23
11:50:04

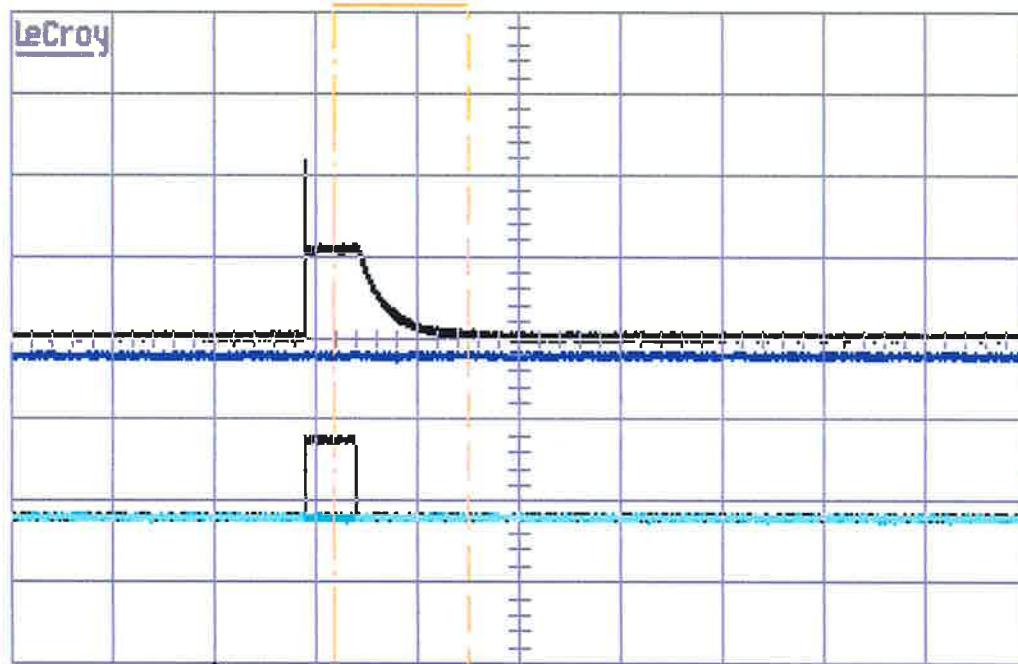
TRIGGER SETUP

1
1 ms
50mV

3
1 ms
5.0 V

4
1 ms
200mV

2
1 ms
2.00 V



Edge SMART

trigger on
1 2 3 4 Ext
Ext10 Line

cplg Ext10
DC AC
LFREJ HFREJ

slope Ext10
Pos Neg
Window

External
Atten x1
DC50Ω DC1MΩ

holdoff

OFF Time Evts

1 ms

1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC



Ext10 DC 0.75 V 50Ω

10 MS/s

NORMAL

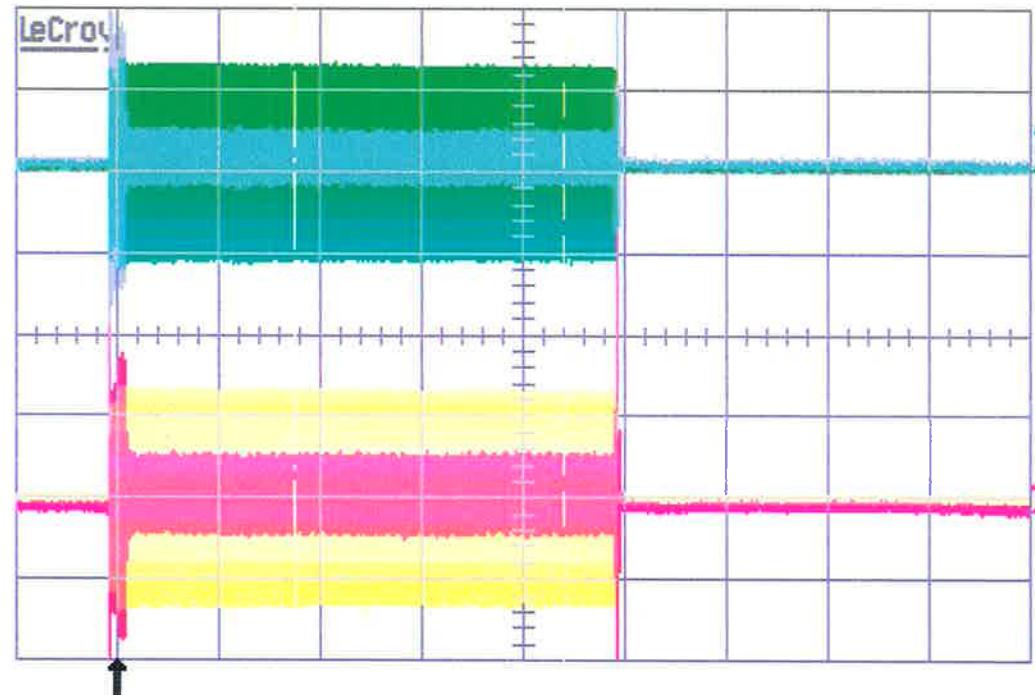
24-Mar-23
11:50:20

1
1 ms
0.50 V

2
1 ms
100mV

3
1 ms
0.50 V

4
1 ms
100mV



176 sweeps: average low high sigma

rms(1)	414.6mV	411.7	416.2	1.3
rms(2)	22.9mV	22.3	23.5	0.3
rms(3)	449.3mV	446.9	450.6	1.2
rms(4)	35.4mV	34.8	36.0	0.3
ampl(3)	1.262 V	1.246	1.273	0.007

1 ms

1 .5 V AC

2 .1 V AC

3 .5 V AC

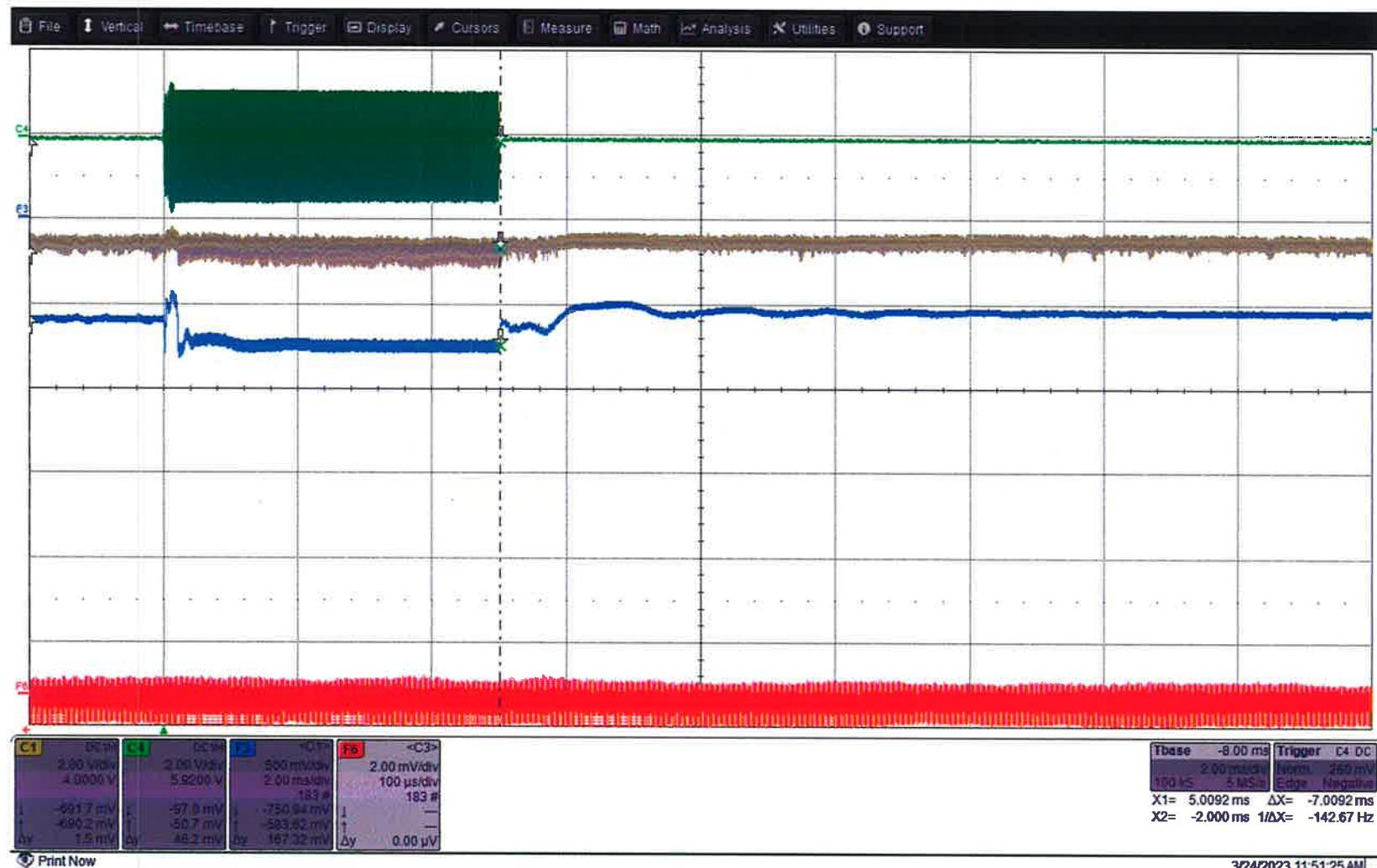
4 .1 V AC

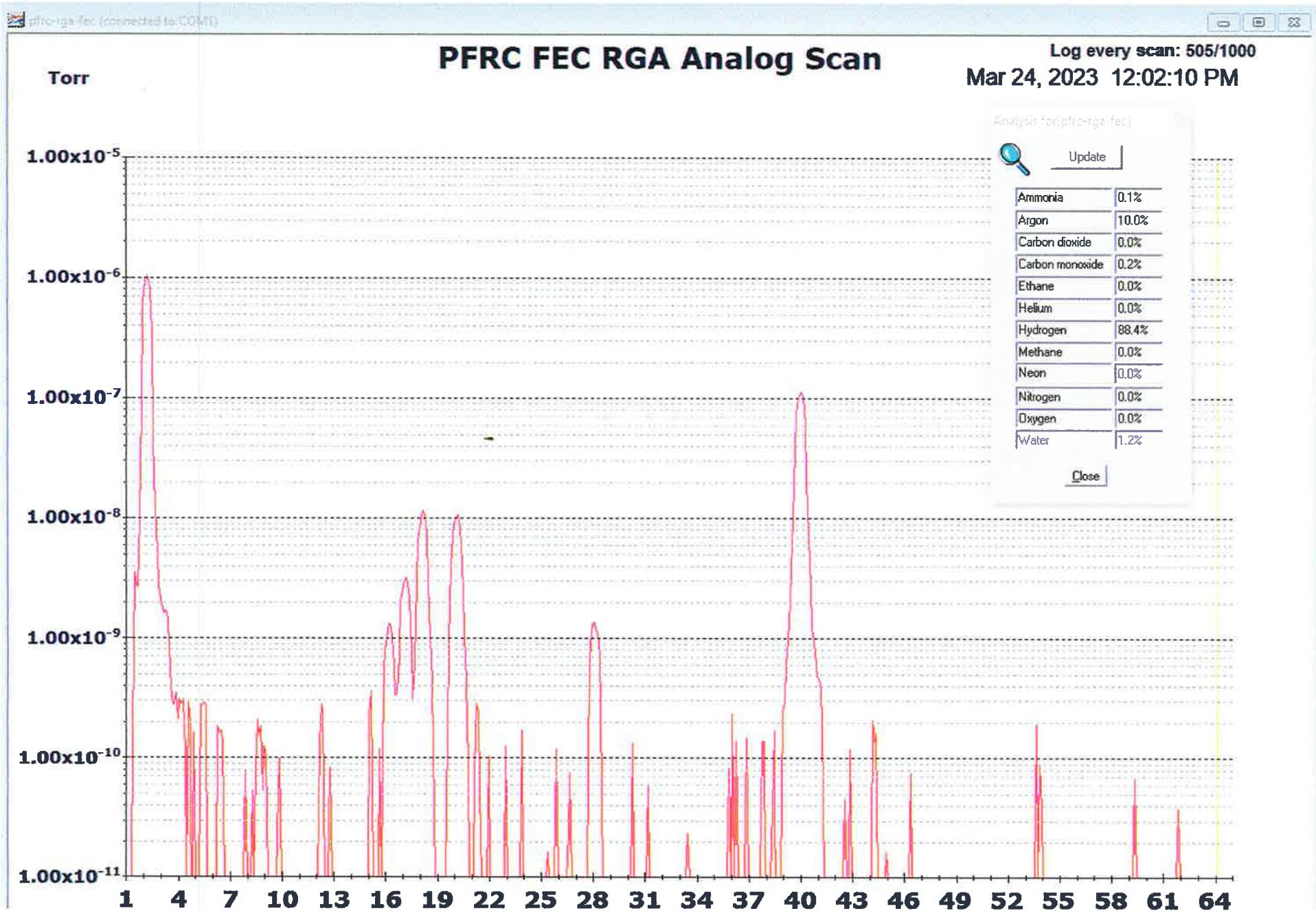


Ext DC 470mV 1MΩ

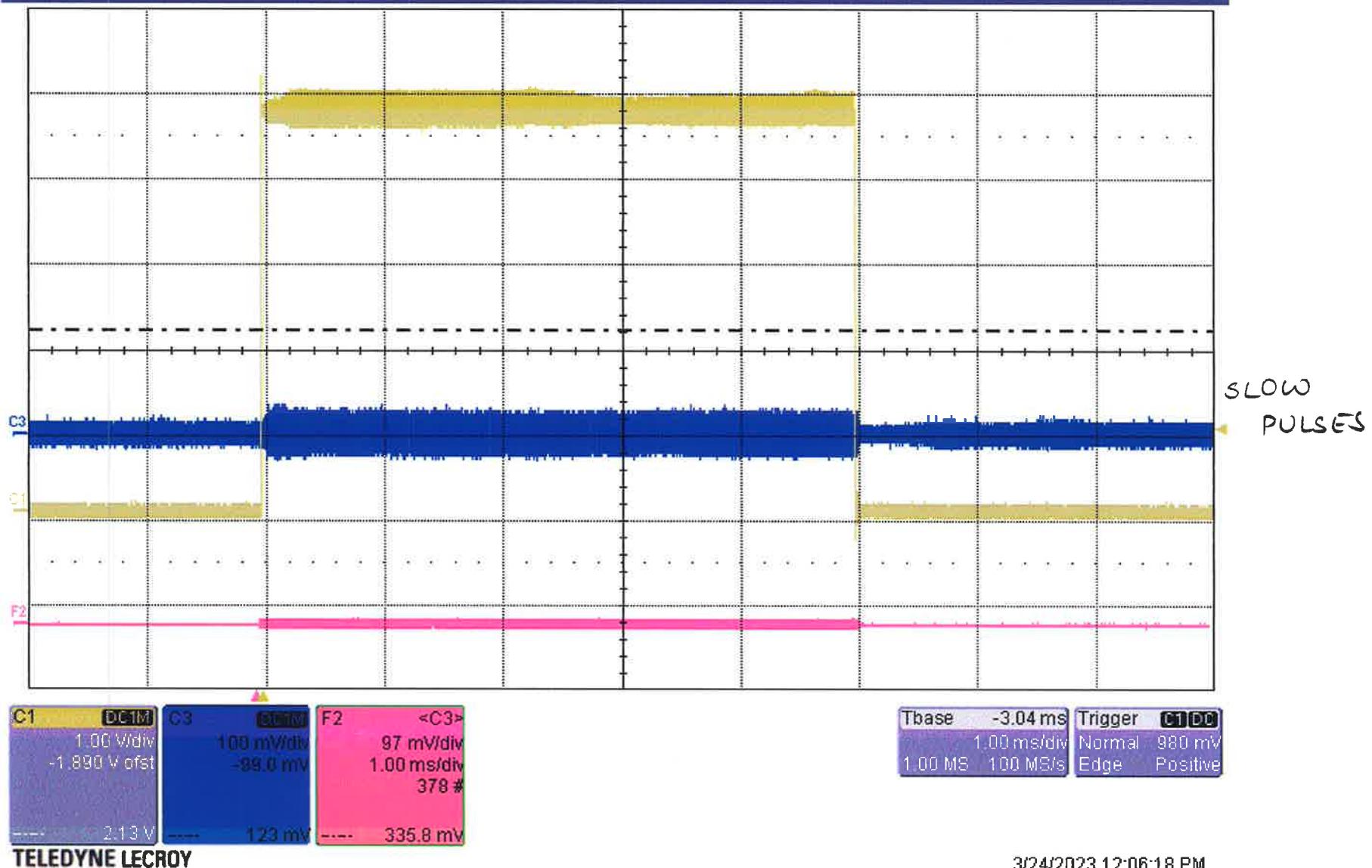
10 MS/s

NORMAL

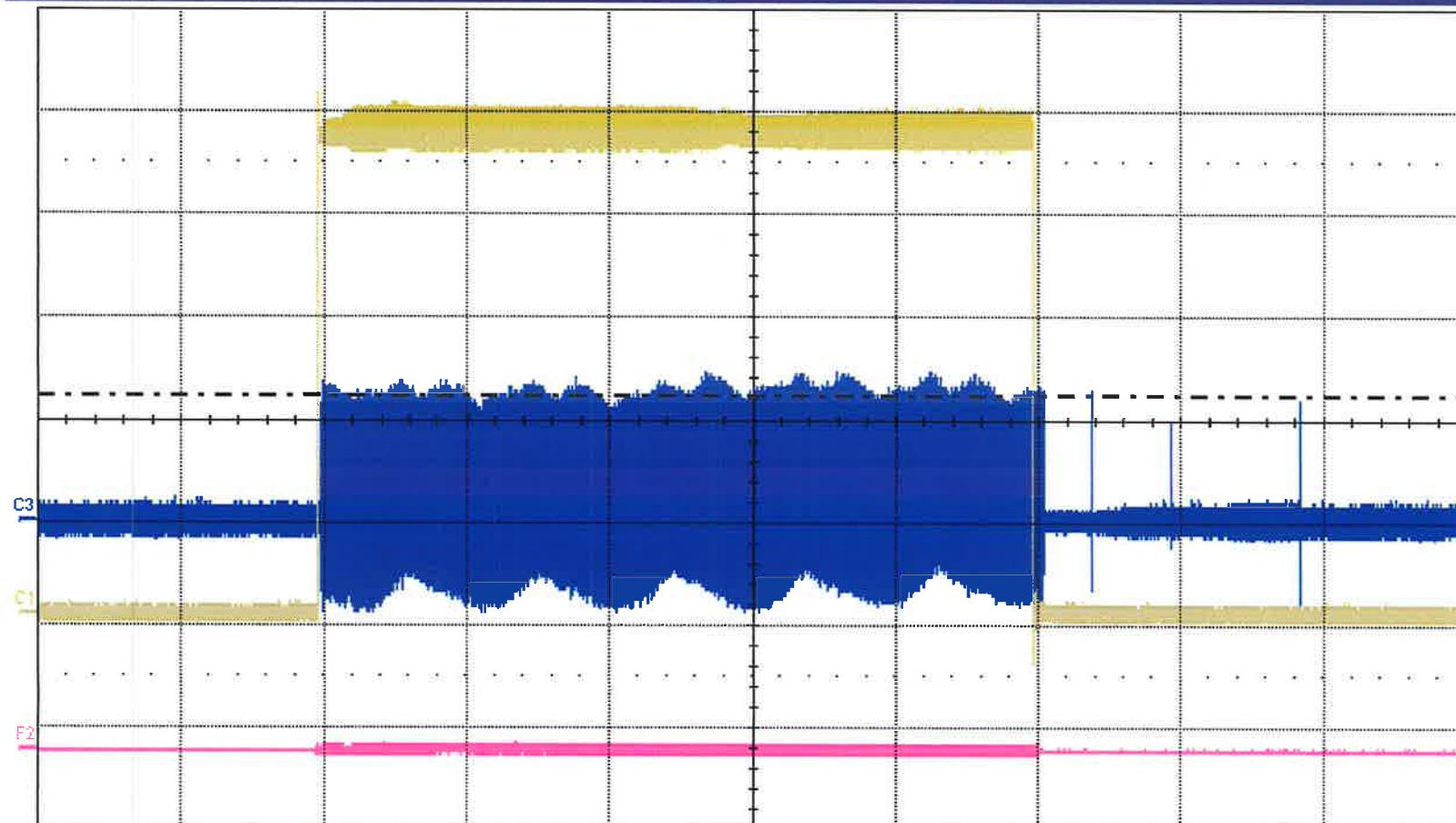




File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



C1 DC1M

1.00 V/div
-1.890 V ofst

213 V

C3 100X

100 mV/div
-99.0 mV

123 mV

F2 <C3>

97 mV/div
1.00 ms/div
352 #

335.8 mV

Tbase -3.04 ms

1.00 ms/div
1.00 MS 100 MS/s

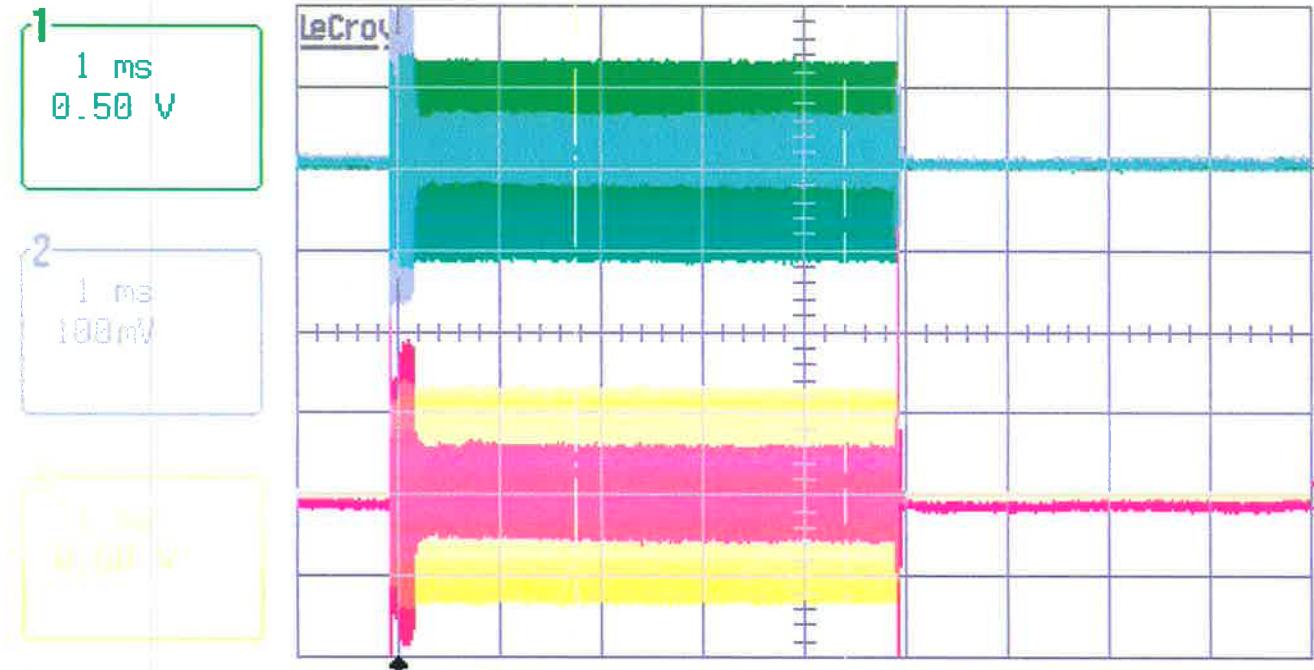
Trigger C1 DC

Normal 980 mV
Edge Positive

TELEDYNE LECROY

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24-Mar-23
12:12:18



	121 sweeps:	average	low	high	sigma
rms(1)		421.7mV	419.2	423.0	1.2
rms(2)		32.0mV	31.4	32.5	0.2
rms(3)		446.5mV	443.9	447.7	1.1
rms(4)		37.6mV	37.1	38.2	0.2
amp1(3)		1.252 V	1.237	1.266	0.005

1 .5 V AC
2 .1 V AC
3 .5 V AC
4 .1 V AC



Ext DC 470mV 1MΩ

10 MS/s

NORMAL

24-Mar-23
12:12:08

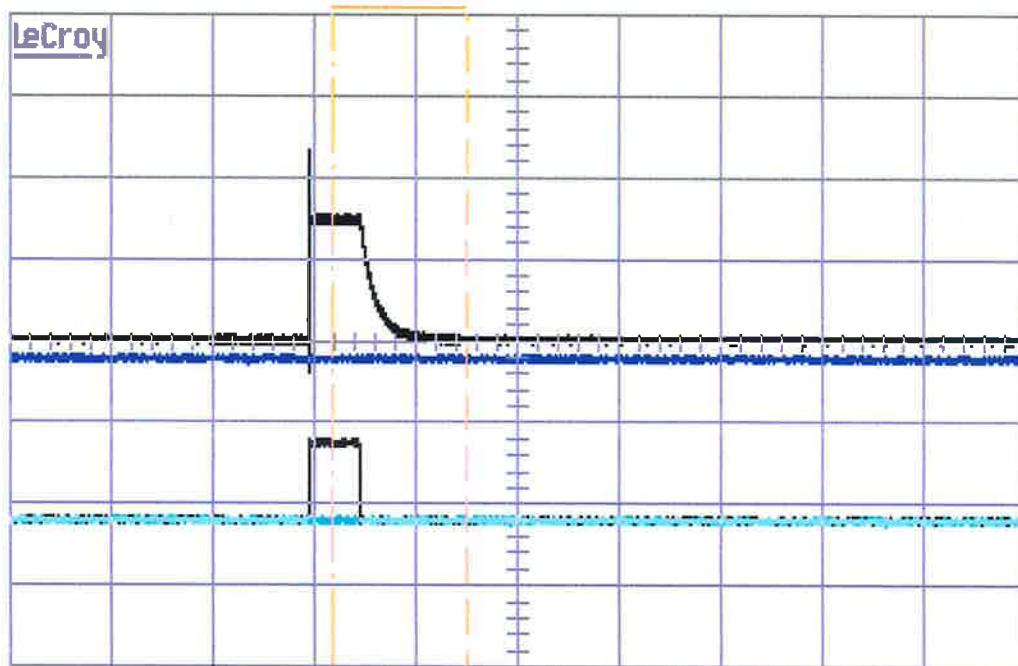
TRIGGER SETUP

1
2 ms
50mV

3
2 ms
5.0 V

4
2 ms
200mV

2
2 ms
2.00 V



Edge SMART

trigger on
1 2 3 4 Ext
Ext10 Line

cplg Ext10
DC AC
LFREJ HFREJ

slope Ext10
Pos Neg
Window

External
Atten x1
DC50Ω DC1MΩ

holdoff

OFF Time Evts

2 ms

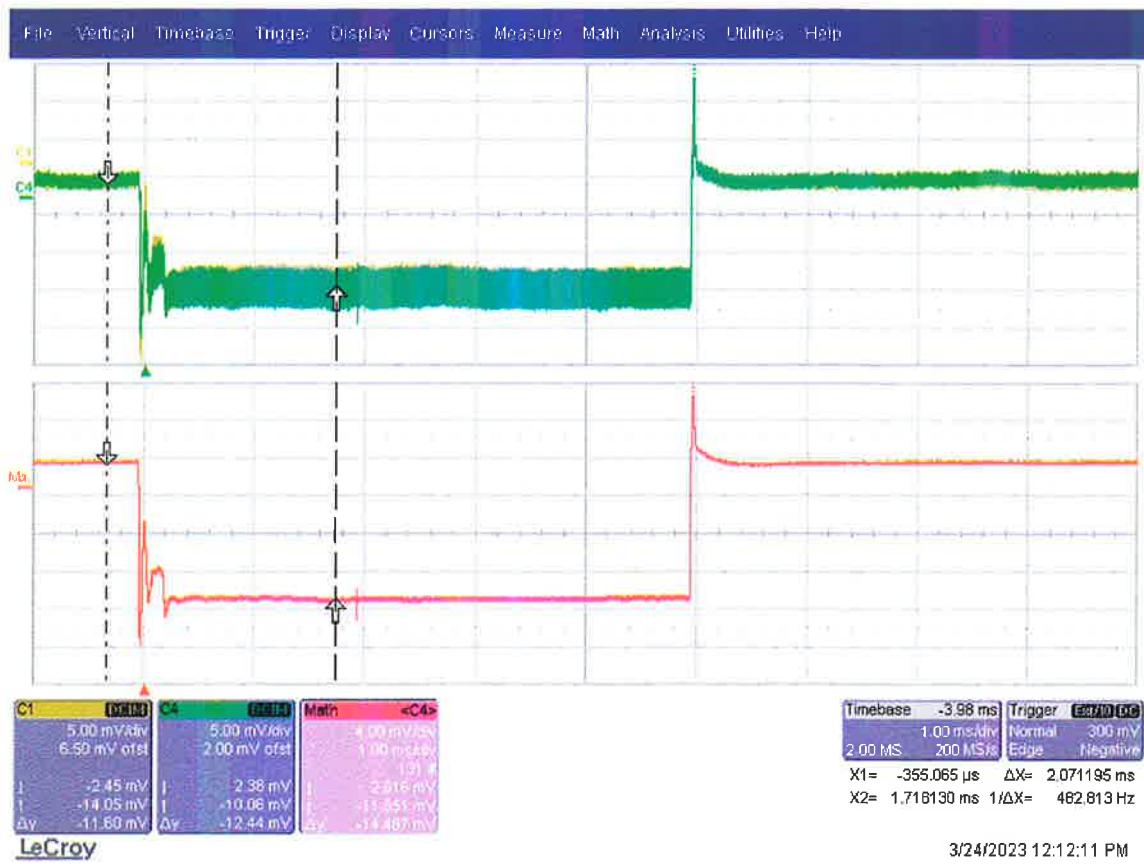
1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC



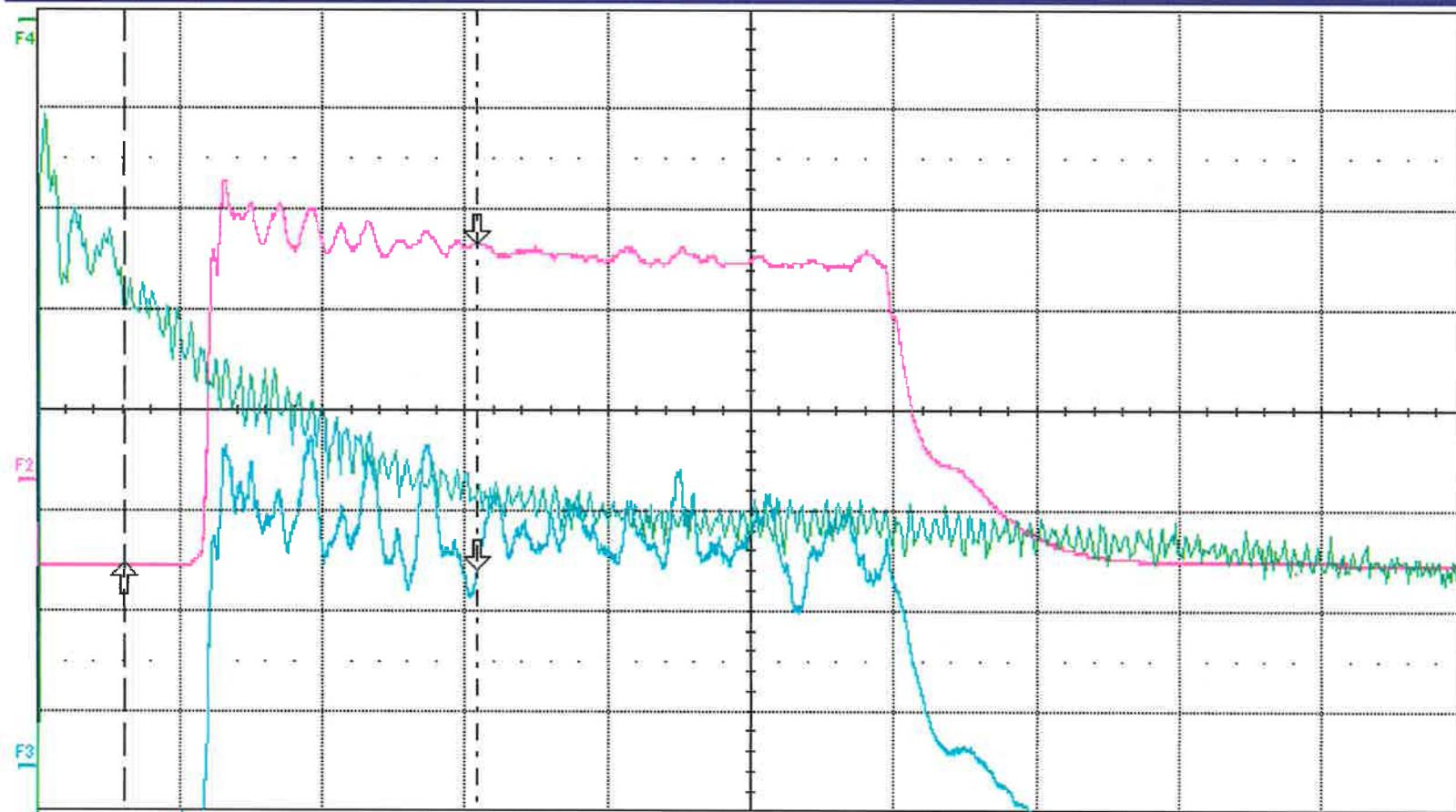
Ext10 DC 0.75 V 50Ω

5 MS/s

NORMAL

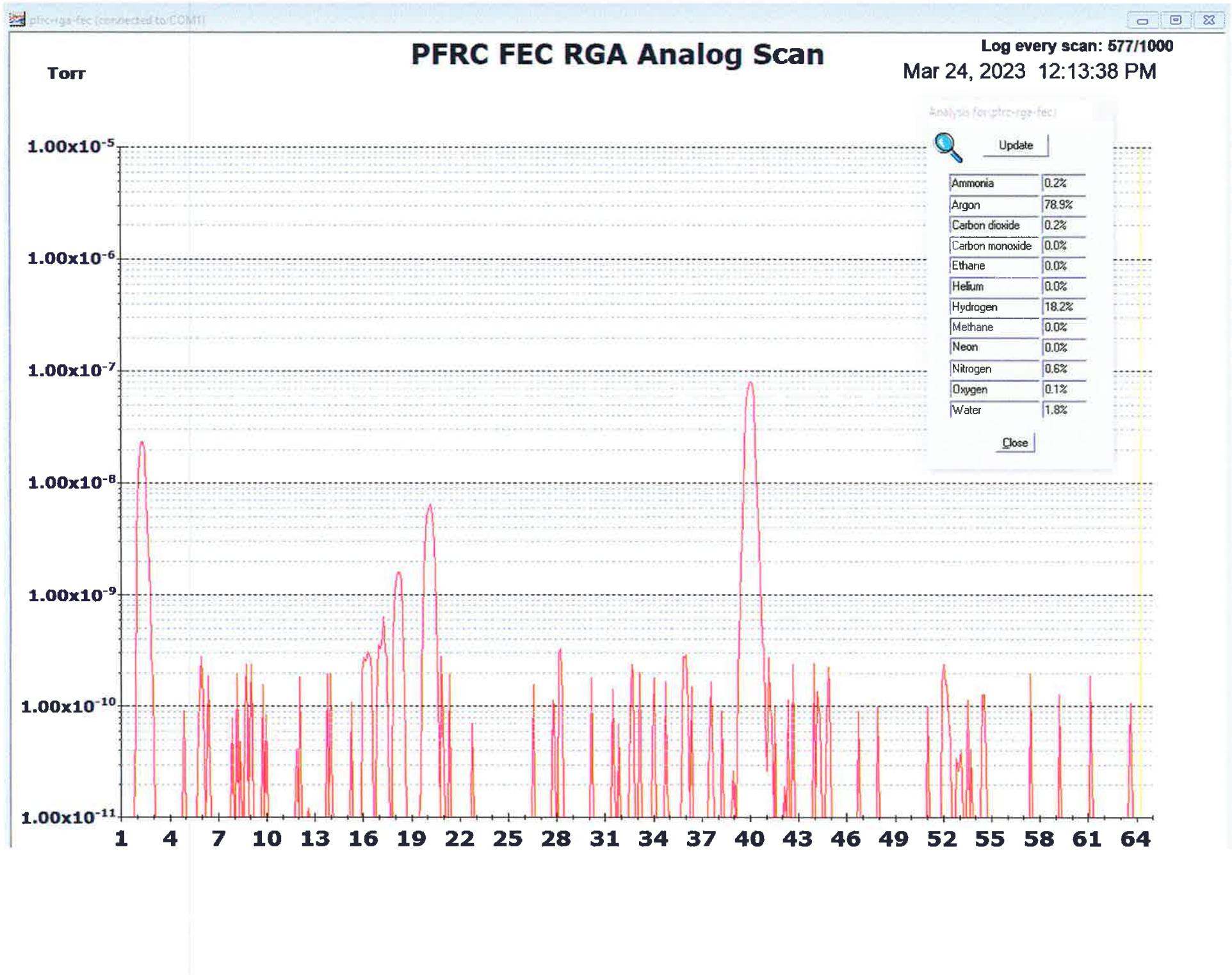


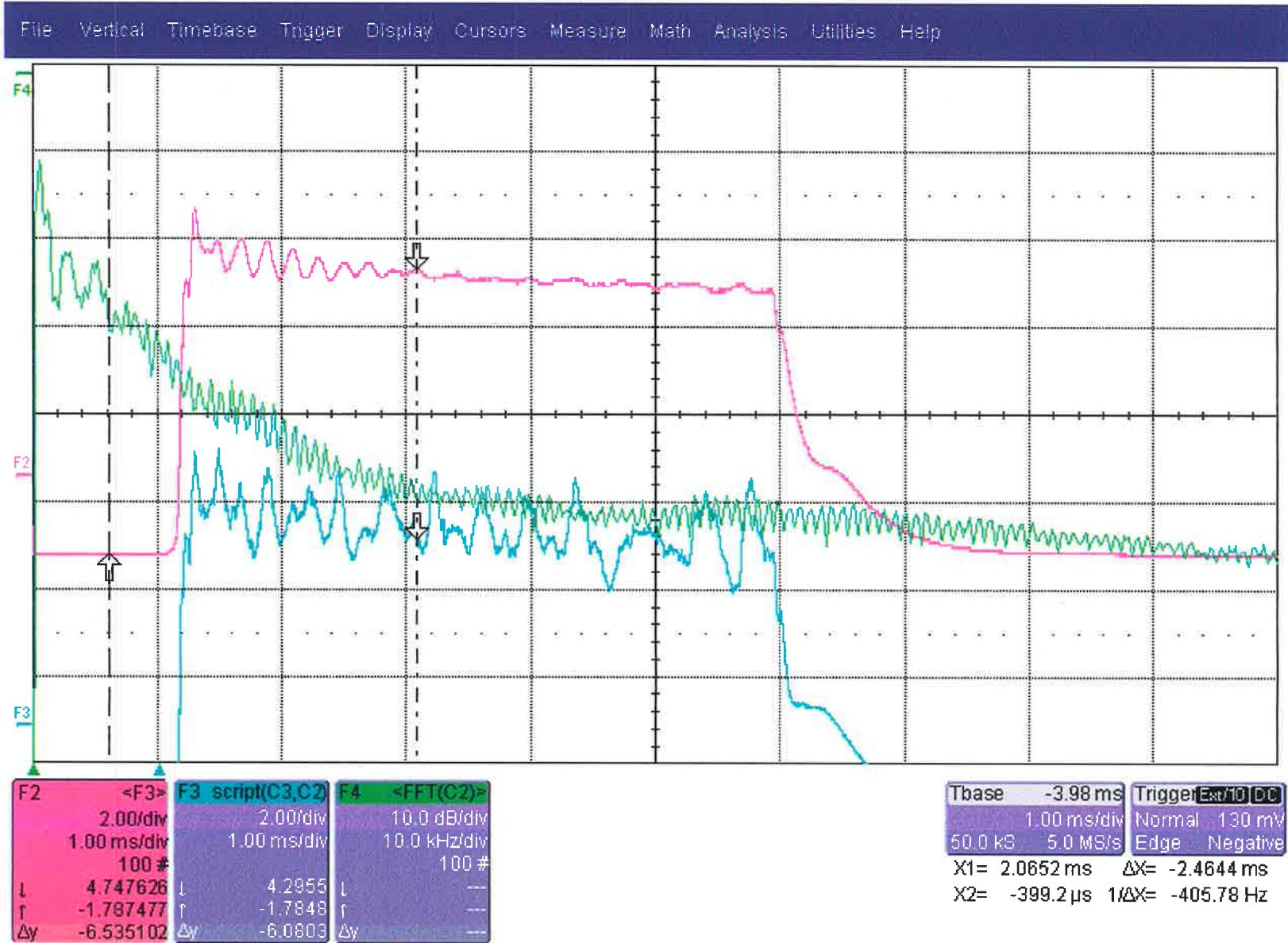
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



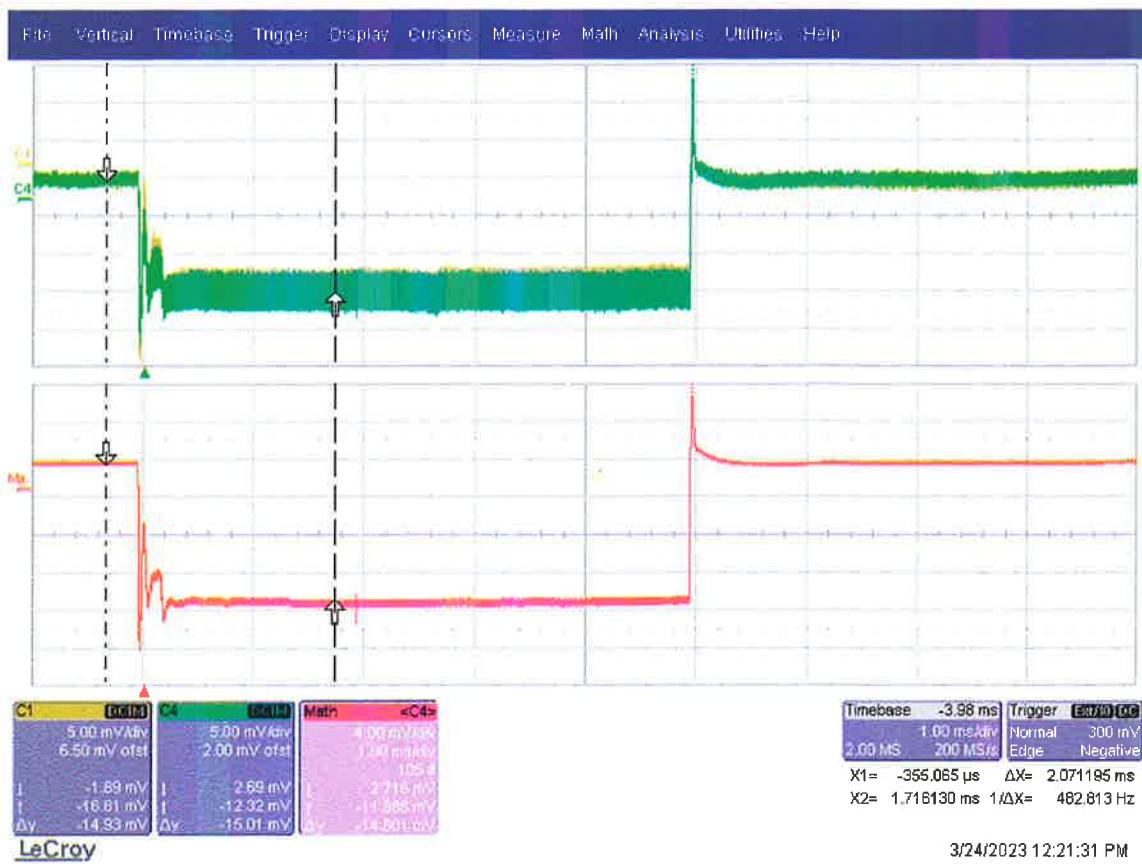
F2	<F3>	F3	script(C3,C2)	F4	<FFT(C2)>
2.00/div	2.00/div	2.00/div	1.00 ms/div	10.0 dB/div	33 #
1.00 ms/div		1.00 ms/div		10.0 kHz/div	
33 #				33 #	
L 4.766605	L 3.9722	L 3.9722	L 3.9722	--	--
T -1.651748	T -1.6956	T -1.6956	T -1.6956	--	--
Δy -6.418353	Δy -5.6679	Δy -5.6679	Δy -5.6679	--	--

Tbase -3.98 ms Trigger Ext/10 DC
50.0 kS 1.00 ms/div Normal 130 mV
5.0 MS/s Edge Negative
X1= 2.0652 ms ΔX= -2.4644 ms
X2= -399.2 μs 1/ΔX= -405.78 Hz





LeCroy



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12:21:34

1
1 ms
50mV

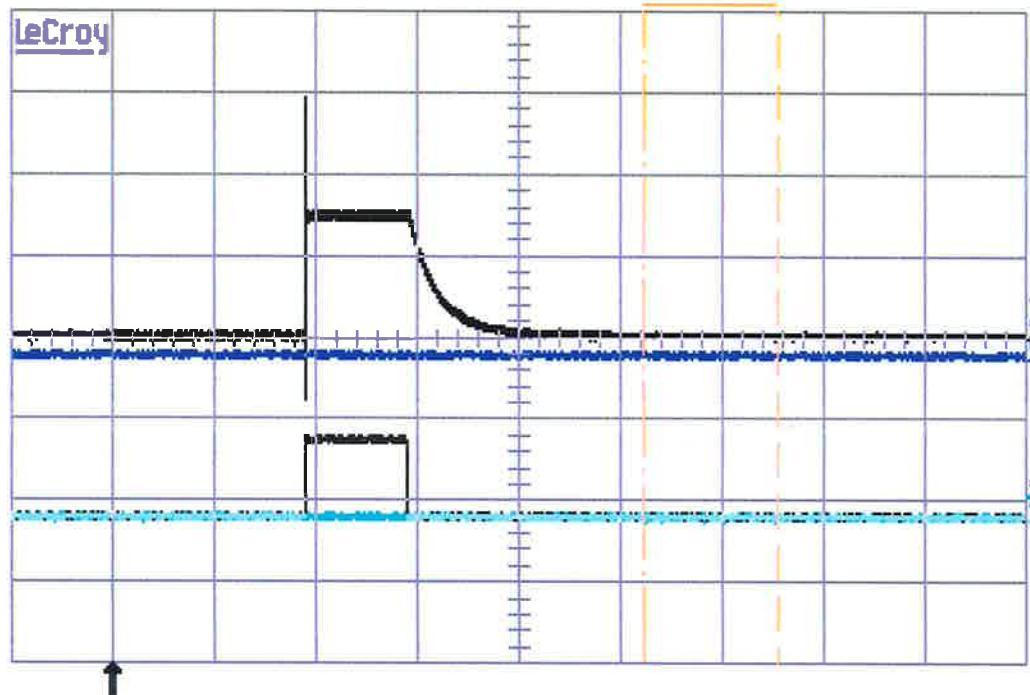
3
1 ms
5.0 V

4
1 ms
200mV

2
1 ms
2.00 V

1 ms

1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC



97 sweeps: average low high sigma

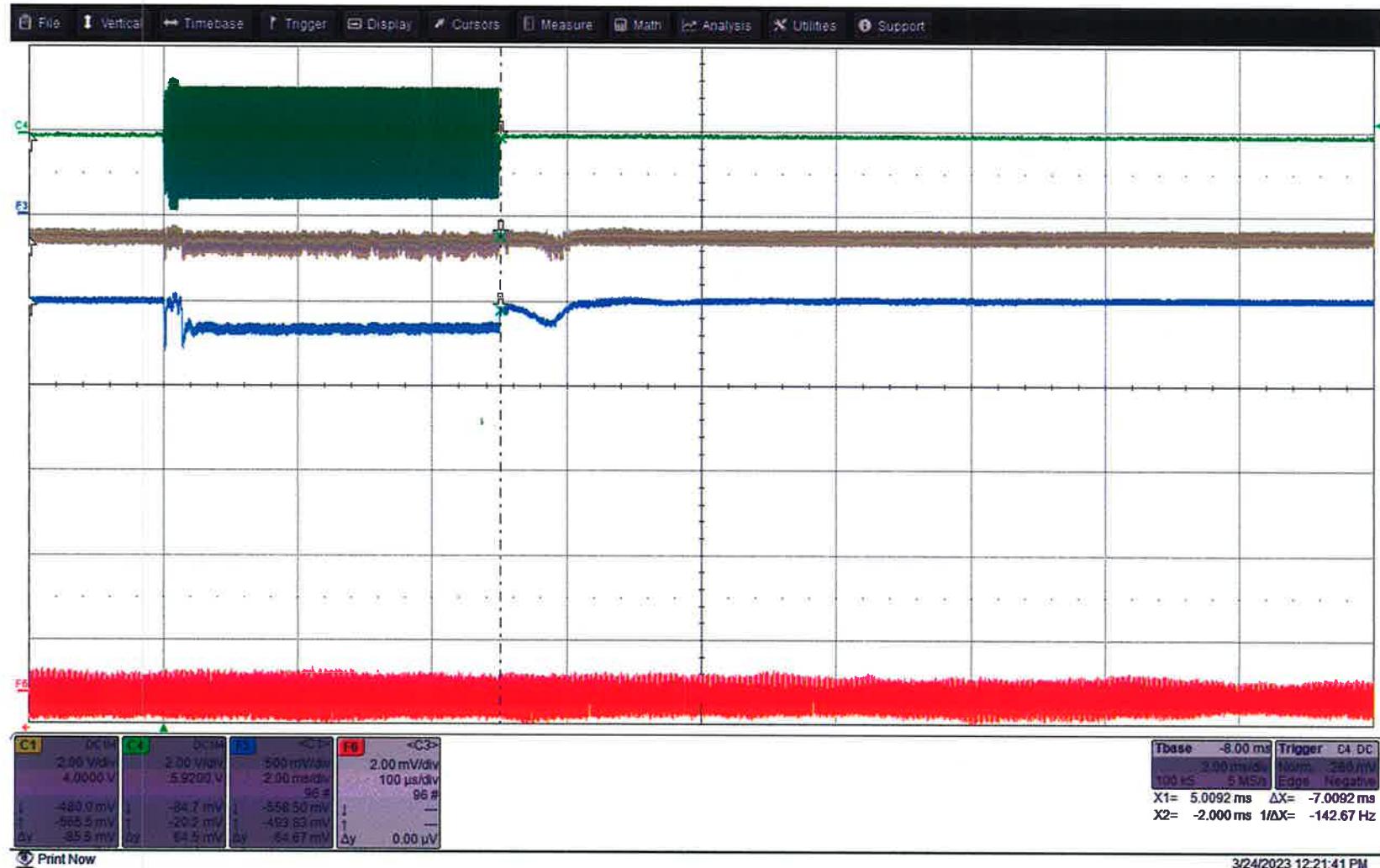
rms(1)	1.05mV	0.99	1.10	0.03
rms(2)	43mV	43	44	0
rms(3)	90mV	87	91	1
rms(4)	4.4mV	4.2	4.5	0.1
phase(1,3)	- - -	- - -	- - -	- - -



Ext10 DC 7.5 kV 50Ω

10 MS/s

NORMAL



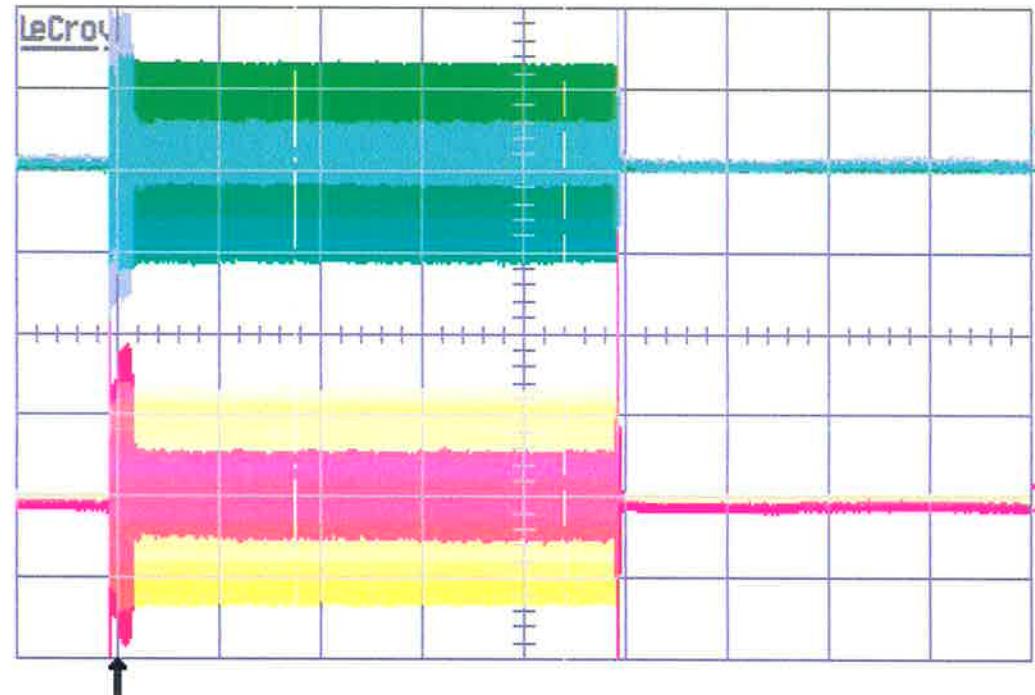
24-Mar-23
12:21:49

1
1 ms
0.50 V

2
1 ms
100mV

3
1 ms
0.50 V

4
1 ms
100mV



98 sweeps: average low high sigma

rms(1) 421.3mV 419.0 422.5 1.0

rms(2) 27.6mV 26.9 28.3 0.4

rms(3) 447.7mV 446.0 448.9 0.9

rms(4) 34.8mV 34.3 35.4 0.2

ampl(3) 1.255 V 1.246 1.267 0.006

1 ms

1 .5 V AC
2 -.1 V AC
3 .5 V AC
4 -.1 V AC

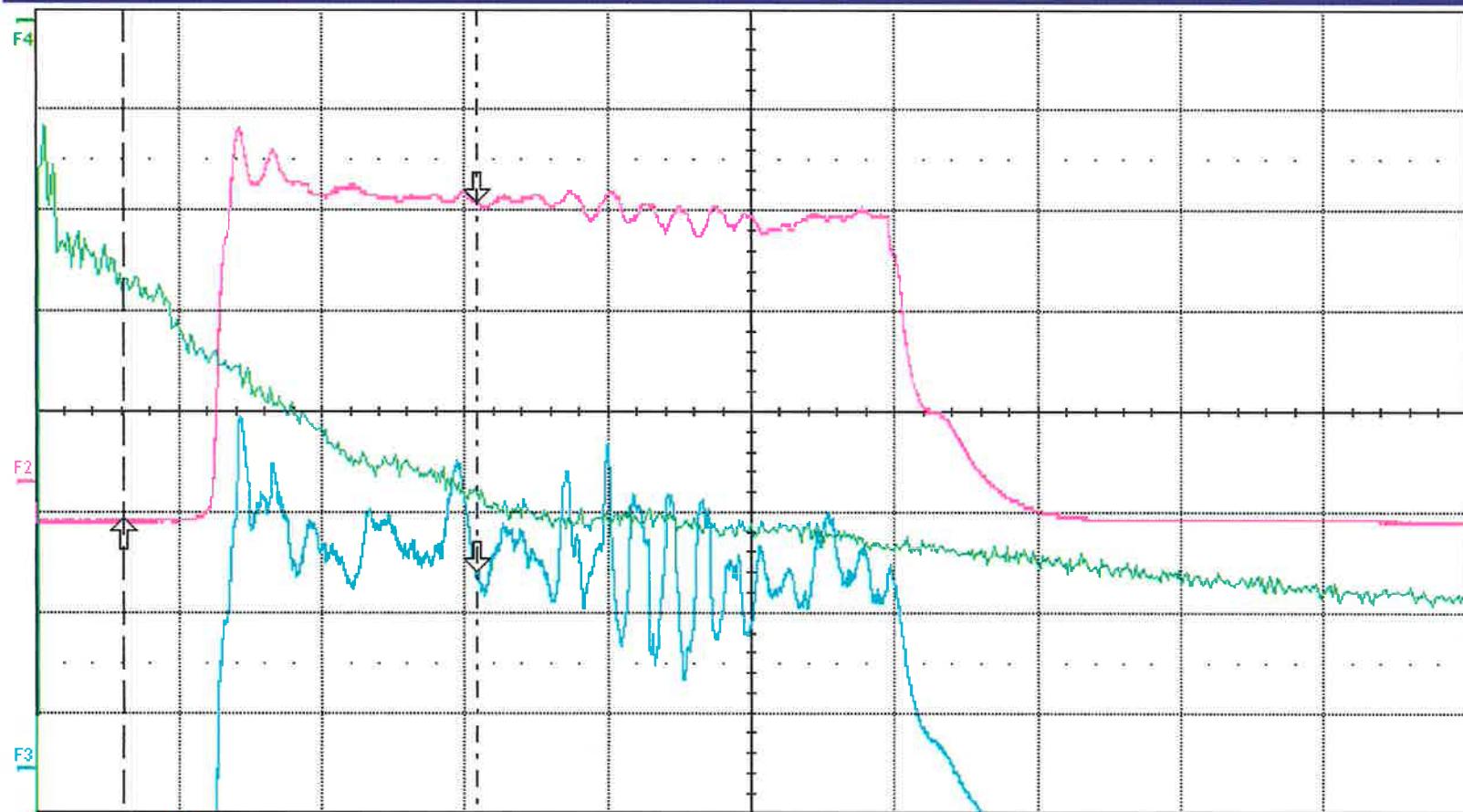


Ext DC 470mV 1MΩ

10 MS/s

NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

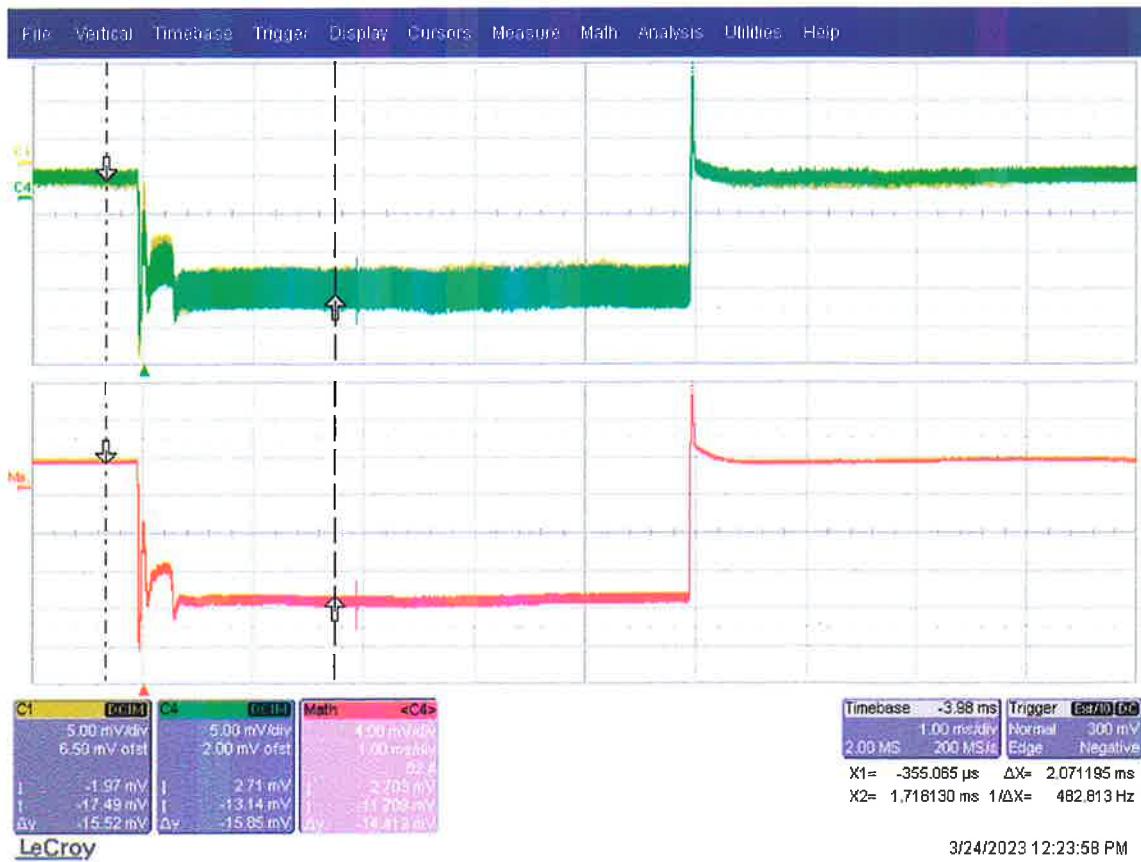


F2	<F3>	F3	script(C3,C2)	F4	<FFT(C2)>
2.00/div		2.00/div		10.0 dB/div	
1.00 ms/div		1.00 ms/div		10.0 kHz/div	
82 #				82 #	
L	5.616634	L	3.9642	L	---
↑	-737.881e-3	↑	-1.9079	↑	---
Δy	-6.354514	Δy	-5.8721	Δy	---

Tbase	-3.98 ms	Trigger	Ex/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Negative
X1=	2.0652 ms	ΔX=	-2.4644 ms
X2=	-399.2 μs	1/ΔX=	-405.78 Hz

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24-Mar-23
12:24:01

1
1 ms
50mV

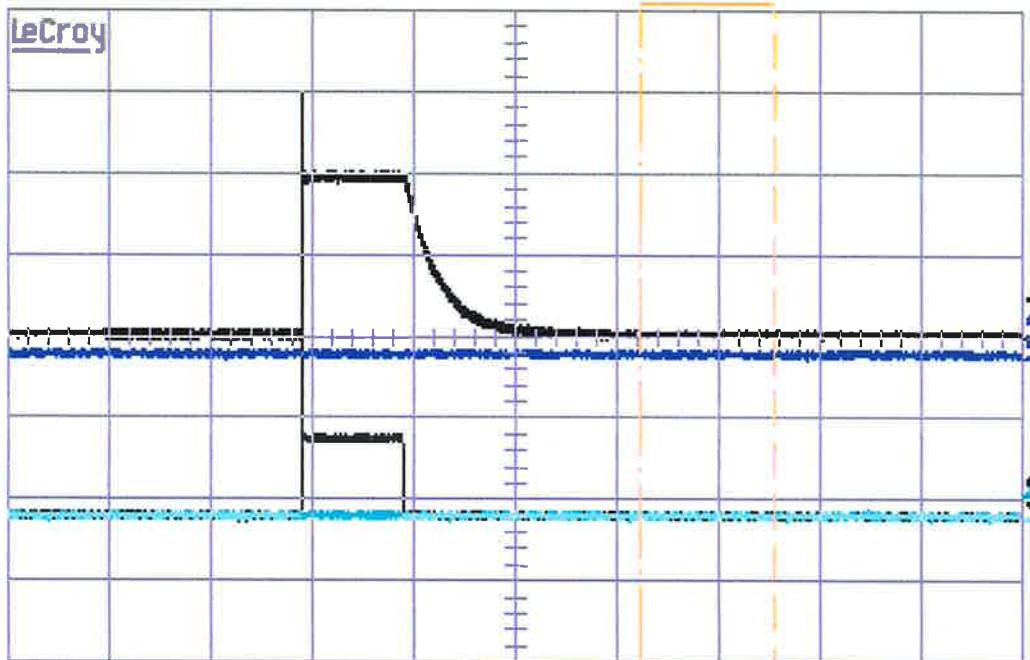
3
1 ms
5.0 V

4
1 ms
200mV

2
1 ms
2.00 V

1 ms

1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC



83 sweeps: average low high sigma

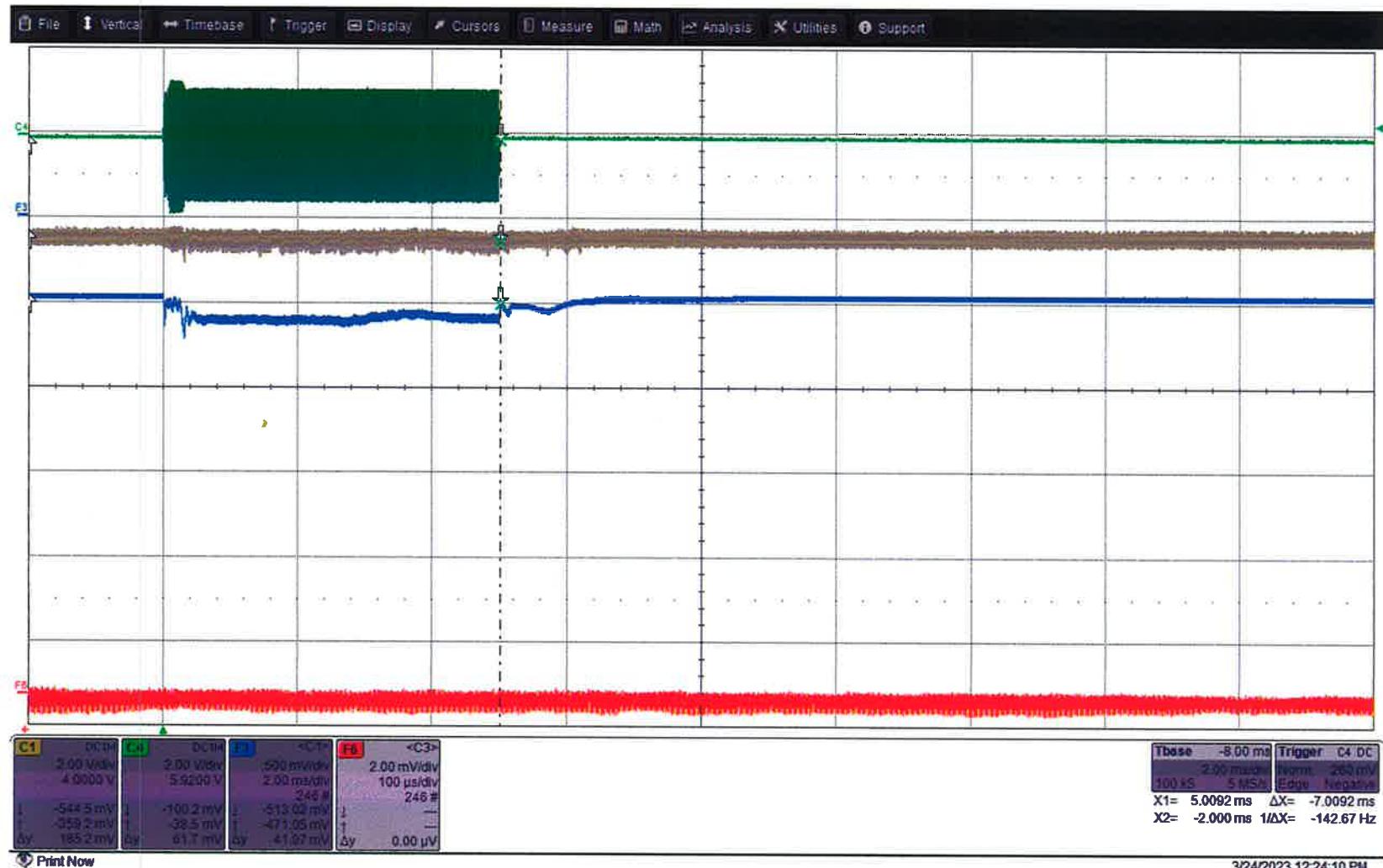
rms(1)	1.13mV	1.07	1.19	0.03
rms(2)	43mV	42	44	0
rms(3)	90mV	88	91	1
rms(4)	4.5mV	4.3	4.7	0.1
phase(1,3)	- - -	- - -	- - -	- - -



Ext10 DC 7.5 kV 50Ω

10 MS/s

NORMAL



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24-Mar-23
12:24:16

1
1 ms
0.50 V

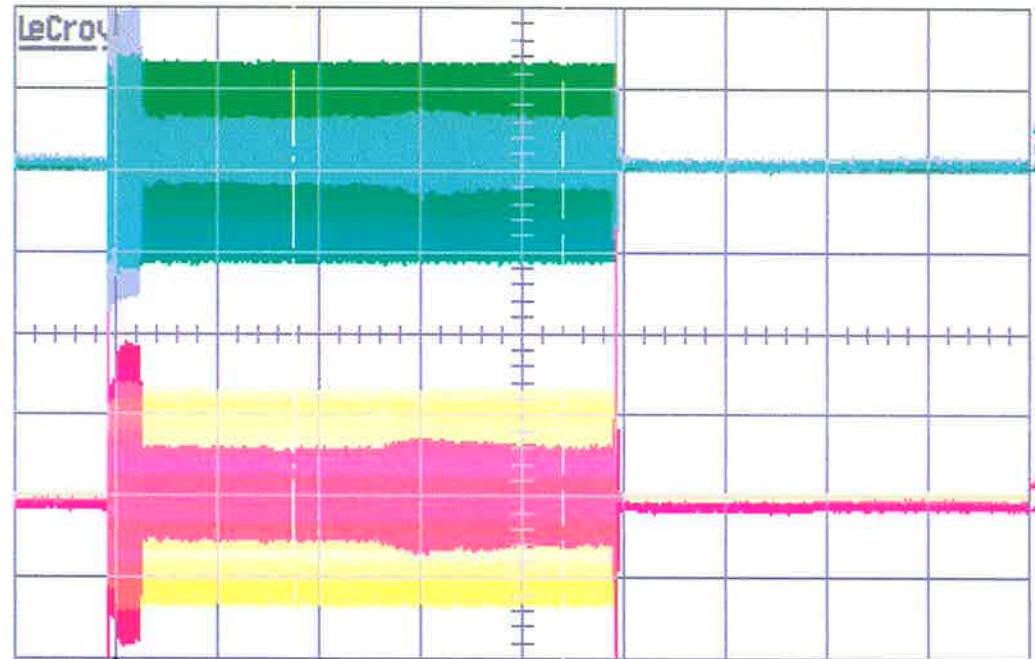
2
1 ms
100mV

3
1 ms
500mV

4
1 ms
100mV

1 ms

1 .5 V AC
2 .1 V AC
3 .5 V AC
4 .1 V AC



82 sweeps: average low high sigma

rms(1) 422.5mV 420.0 423.8 0.9

rms(2) 30.5mV 29.7 31.1 0.3

rms(3) 448.4mV 446.3 449.7 0.8

rms(4) 39.6mV 38.9 40.1 0.3

amp1(3) 1.260 V 1.247 1.267 0.006

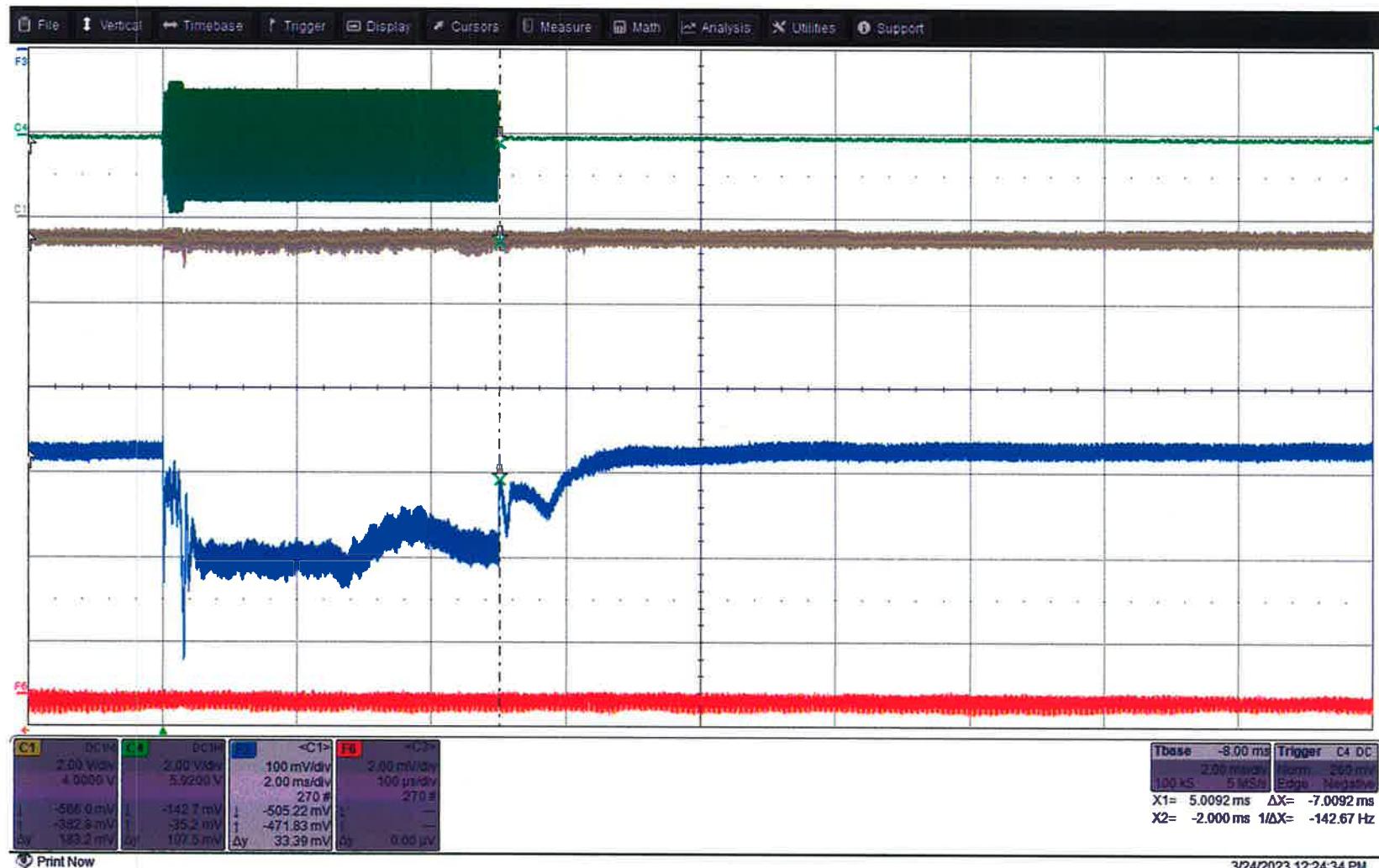


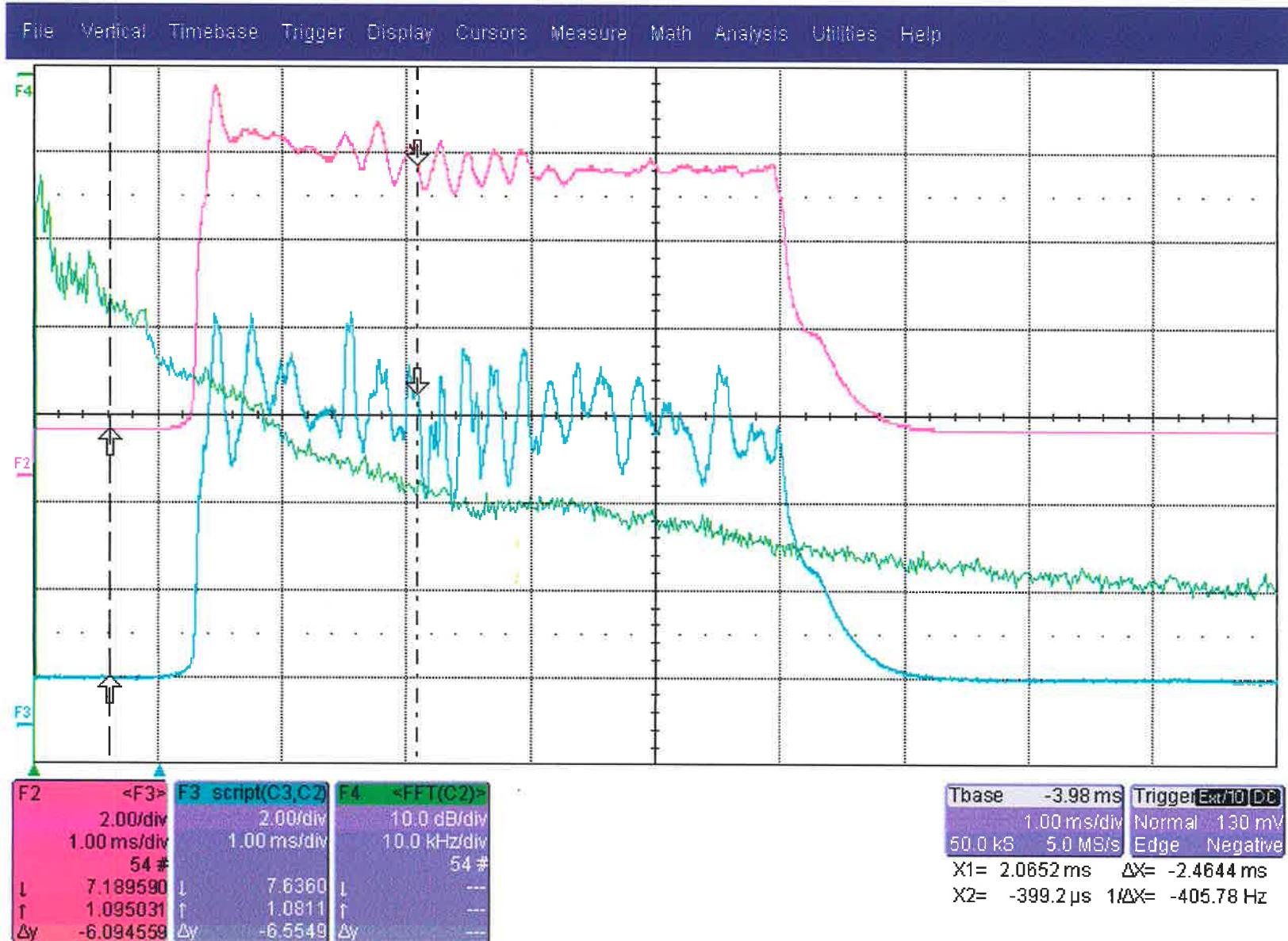
Ext DC 470mV 1MΩ

10 MS/s



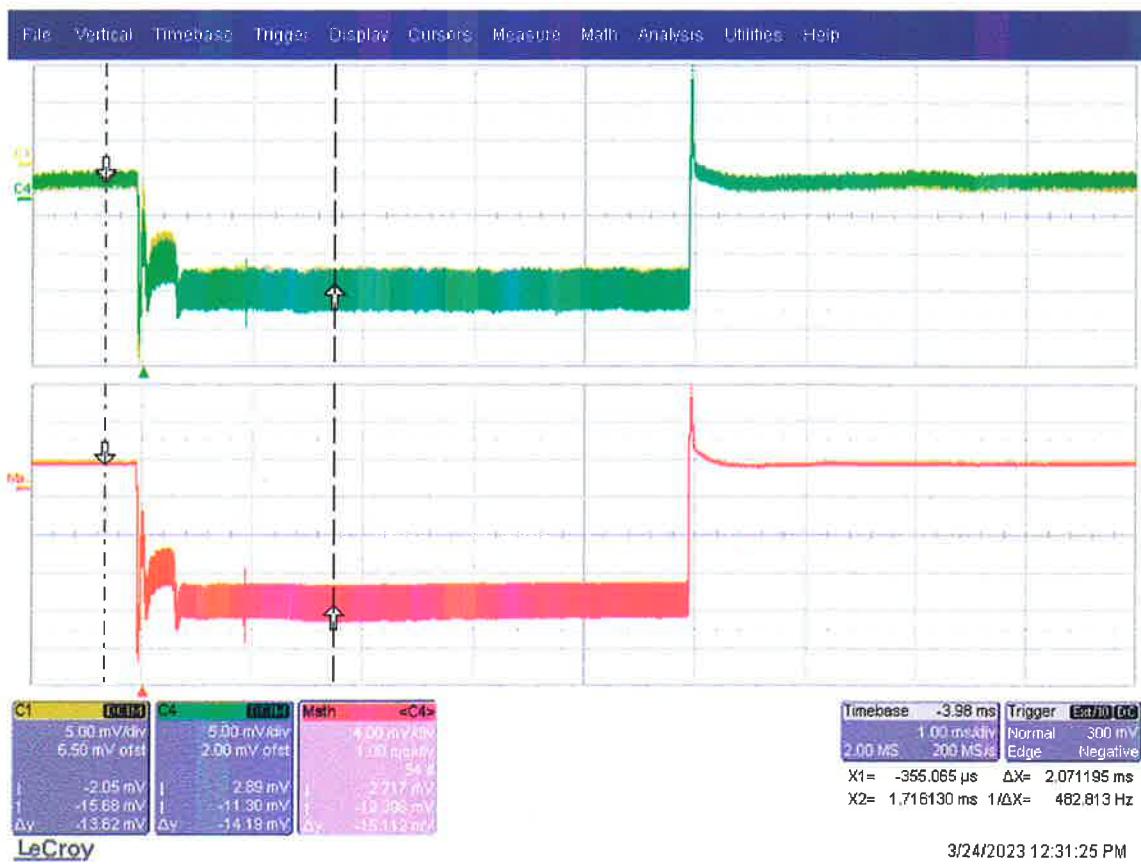
NORMAL





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24-Mar-23
12:31:28

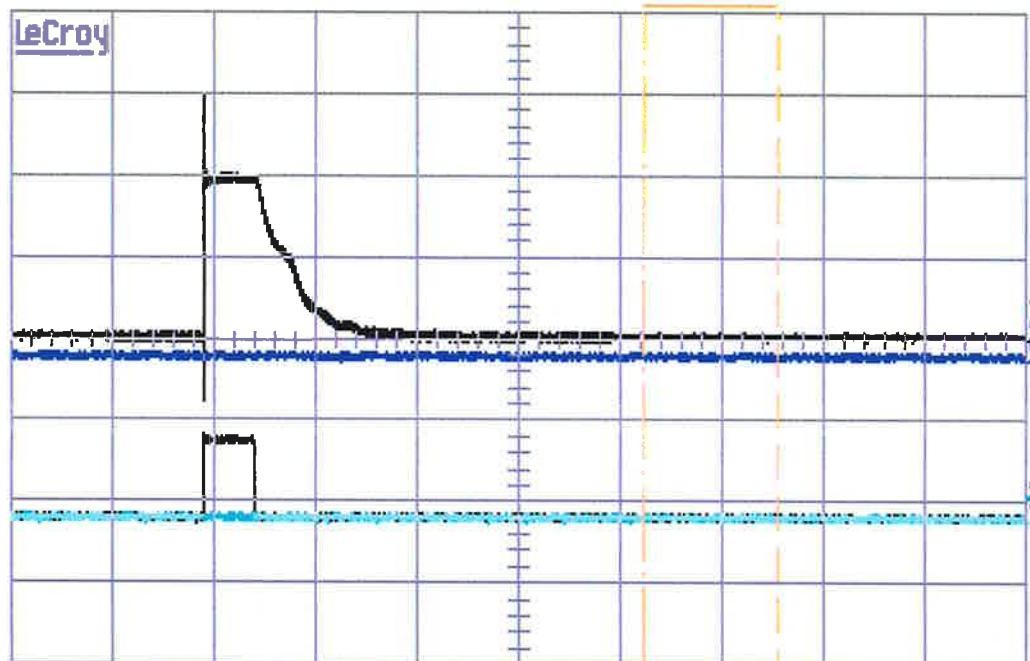
1
1 ms
50mV

3
1 ms
5.0 V

4
1 ms
200mV

2
1 ms
2.00 V

1 ms
1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC



55 sweeps: average low high sigma
rms(1) 1.02mV 0.98 1.09 0.03
rms(2) 43mV 42 44 0
rms(3) 90mV 88 92 1
rms(4) 4.4mV 4.3 4.5 0.1
phase(1,3)



Ext10 DC 7.5 kV 50Ω

10 MS/s

NORMAL

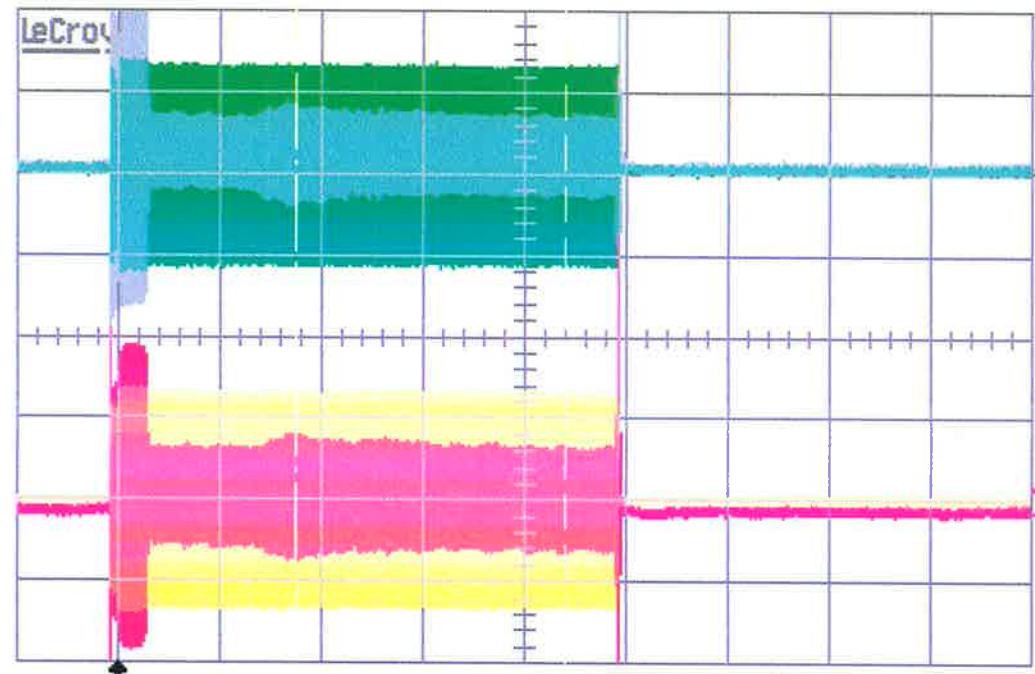
24-Mar-23
12:31:44

1
1 ms
0.50 V

2
1 ms
100mV

3
1 ms
0.50 V

4
1 ms
100mV



54 sweeps: average low high sigma

rms(1) 424.0mV 422.7 425.2 0.8

rms(2) 34.5mV 33.9 35.2 0.3

rms(3) 447.9mV 446.7 448.9 0.6

rms(4) 42.4mV 41.8 43.0 0.2

ampl(3) 1.257 V 1.247 1.267 0.006

1 ms

1 .5 V AC

2 .1 V AC

3 .5 V AC

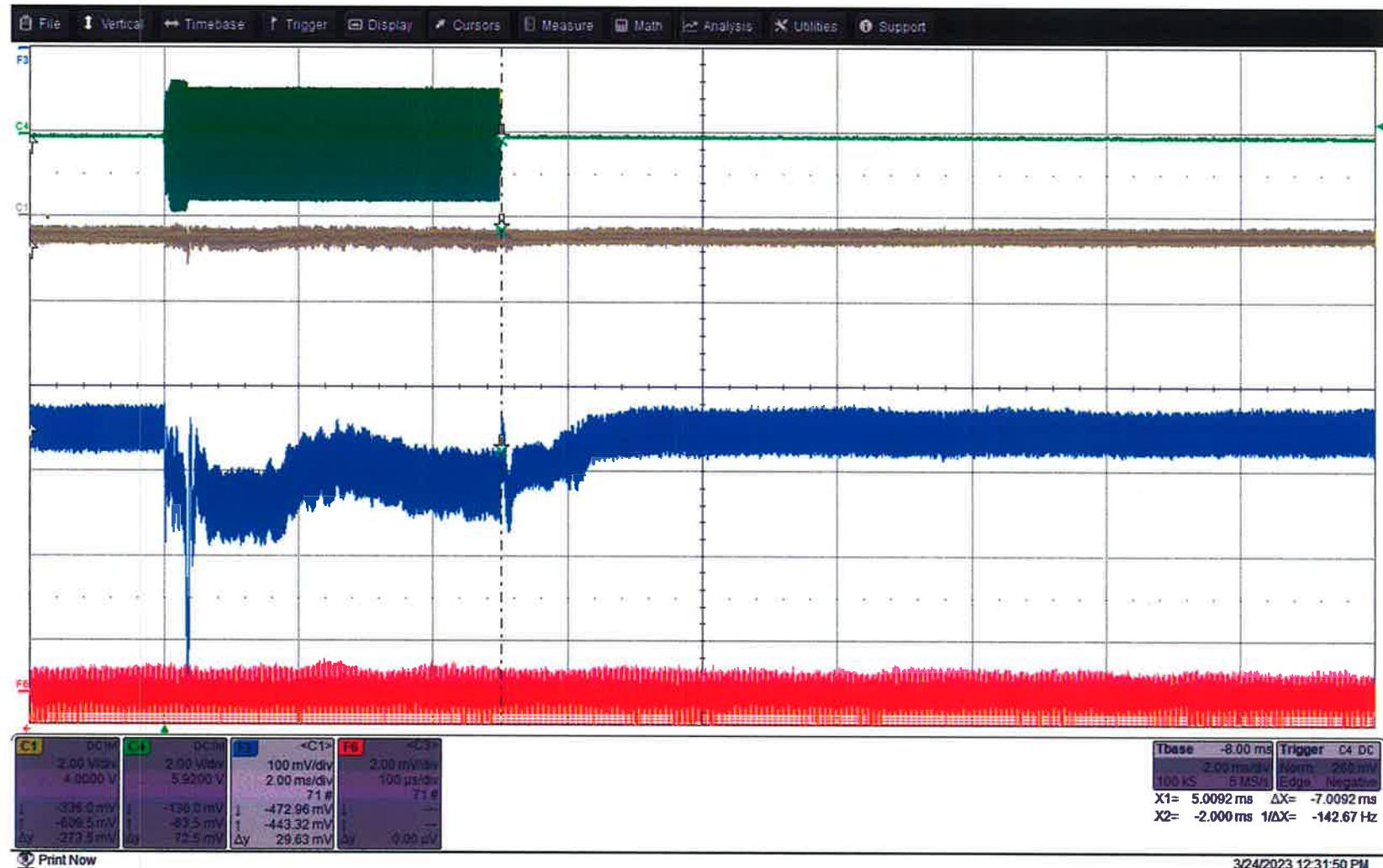
4 .1 V AC



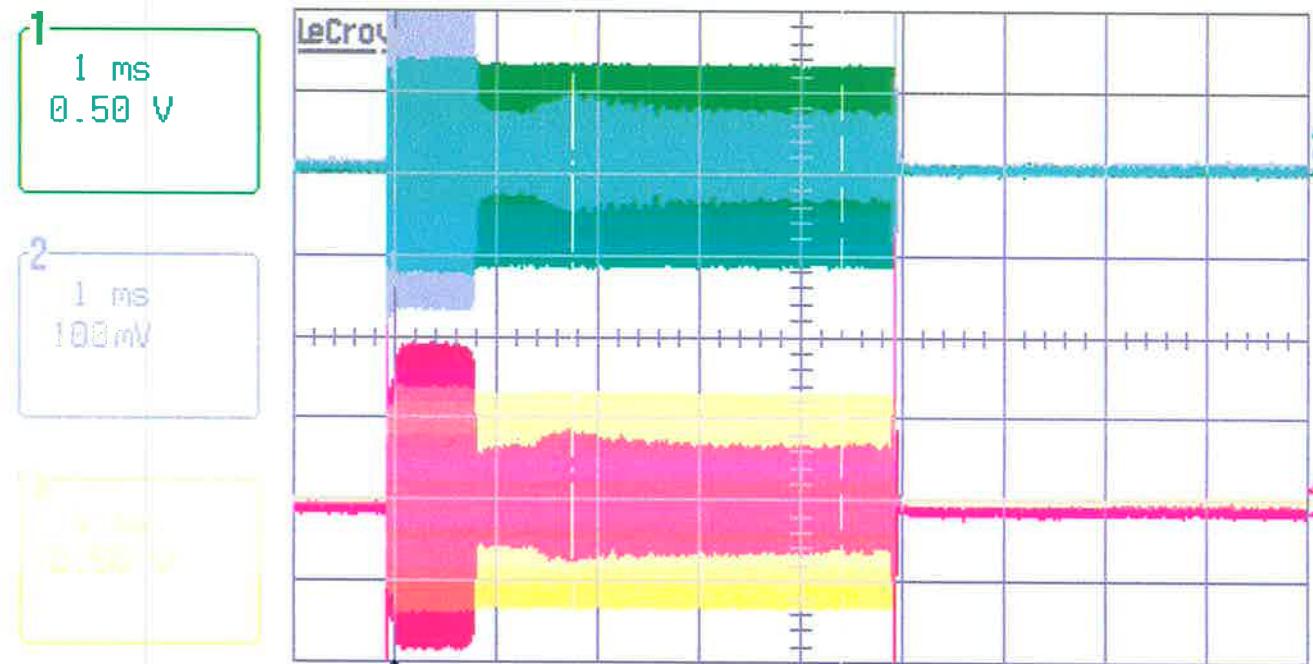
Ext DC 470mV 1MΩ

10 MS/s

NORMAL



24-Mar-23
12:37:41



	116 sweeps:	average	low	high	sigma
rms(1)		425.2mV	422.5	446.6	2.3
rms(2)		38.8mV	36.9	125.0	8.1
rms(3)		447.5mV	445.0	466.3	2.1
rms(4)		44.1mV	43.0	125.0	7.6
1 ms	amp1(3)	1.254 V	1.239	1.314	0.008

1 .5 V AC
2 .1 V AC
3 .5 V AC
4 .1 V AC

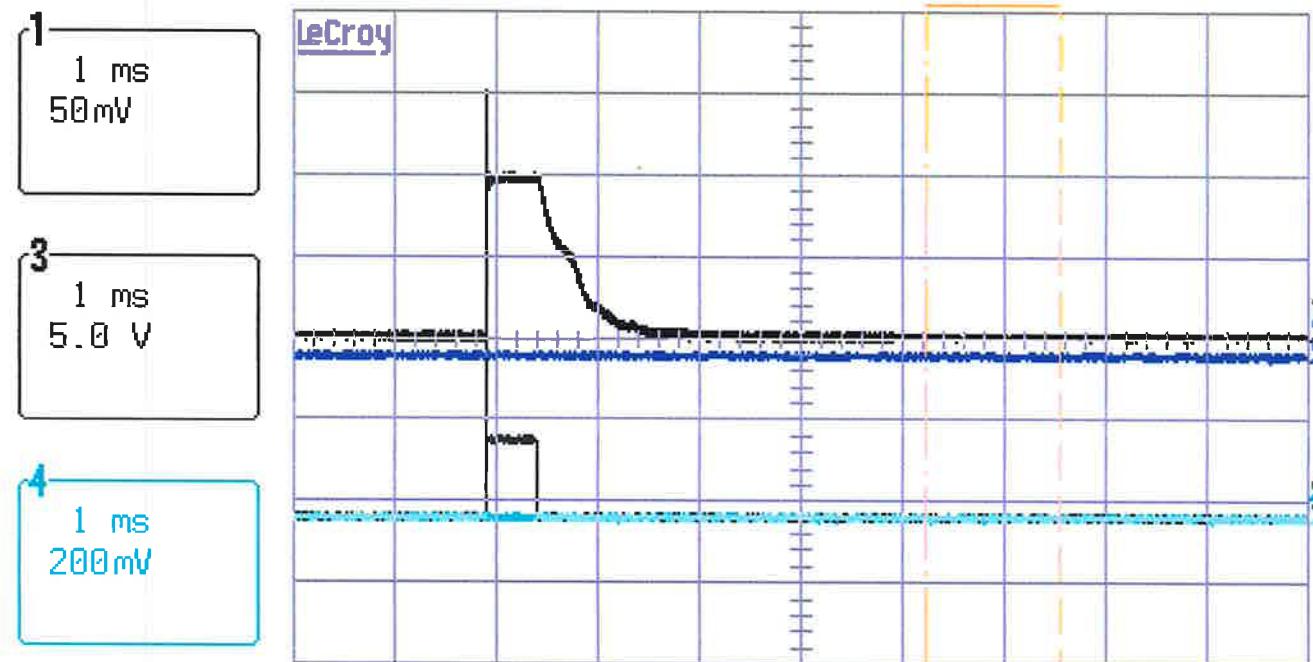


Ext DC 470mV 1MΩ

10 MS/s

NORMAL

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12:37:32



122 sweeps: average low high sigma

rms(1)	0.99 mV	0.95	1.02	0.01
rms(2)	43 mV	42	44	0
rms(3)	90 mV	88	91	1
rms(4)	4.5 mV	4.4	4.6	0.0
phase(1,3)	- - -	- - -	- - -	- - -

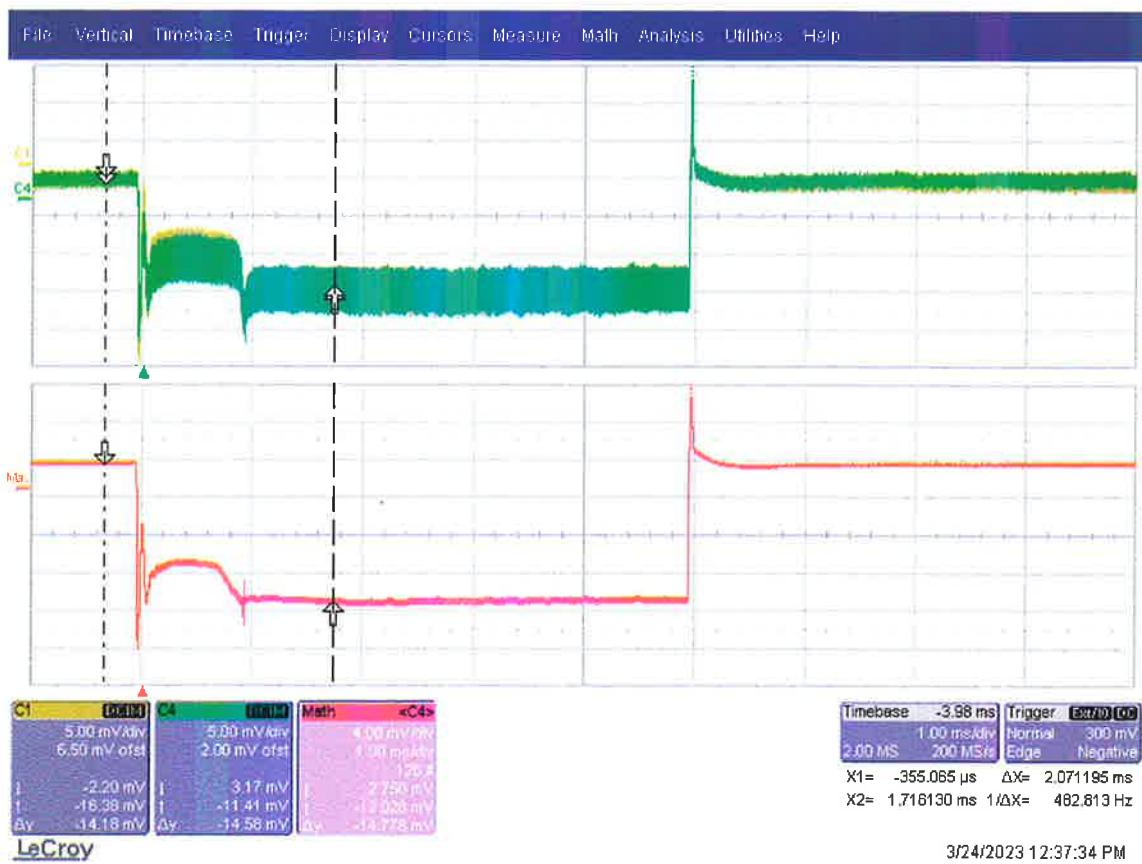
1 50 mV DC
2 2 V DC
3 5 V DC
4 .2 V AC

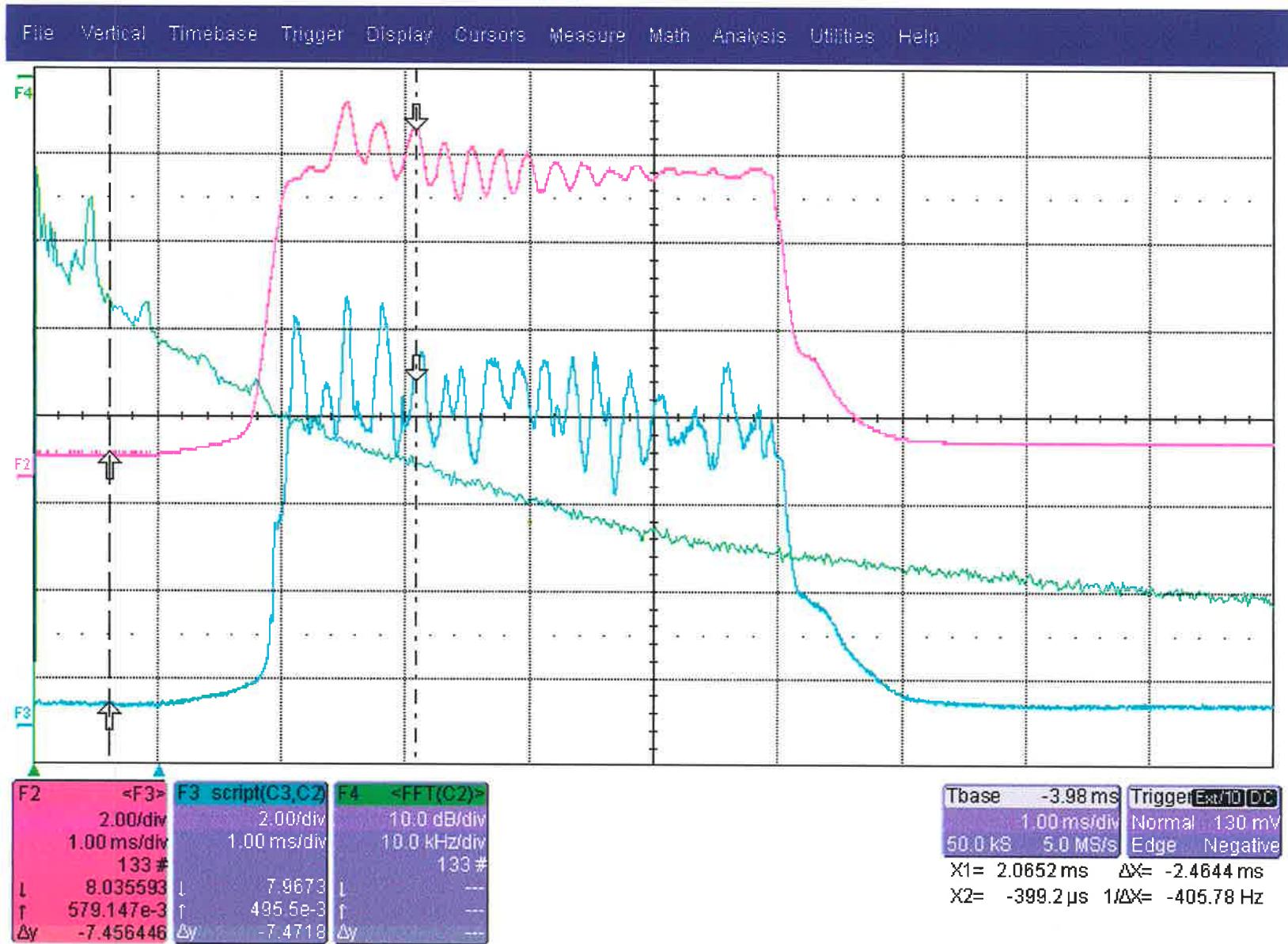


Ext10 DC 7.5 kV 50Ω

10 MS/s

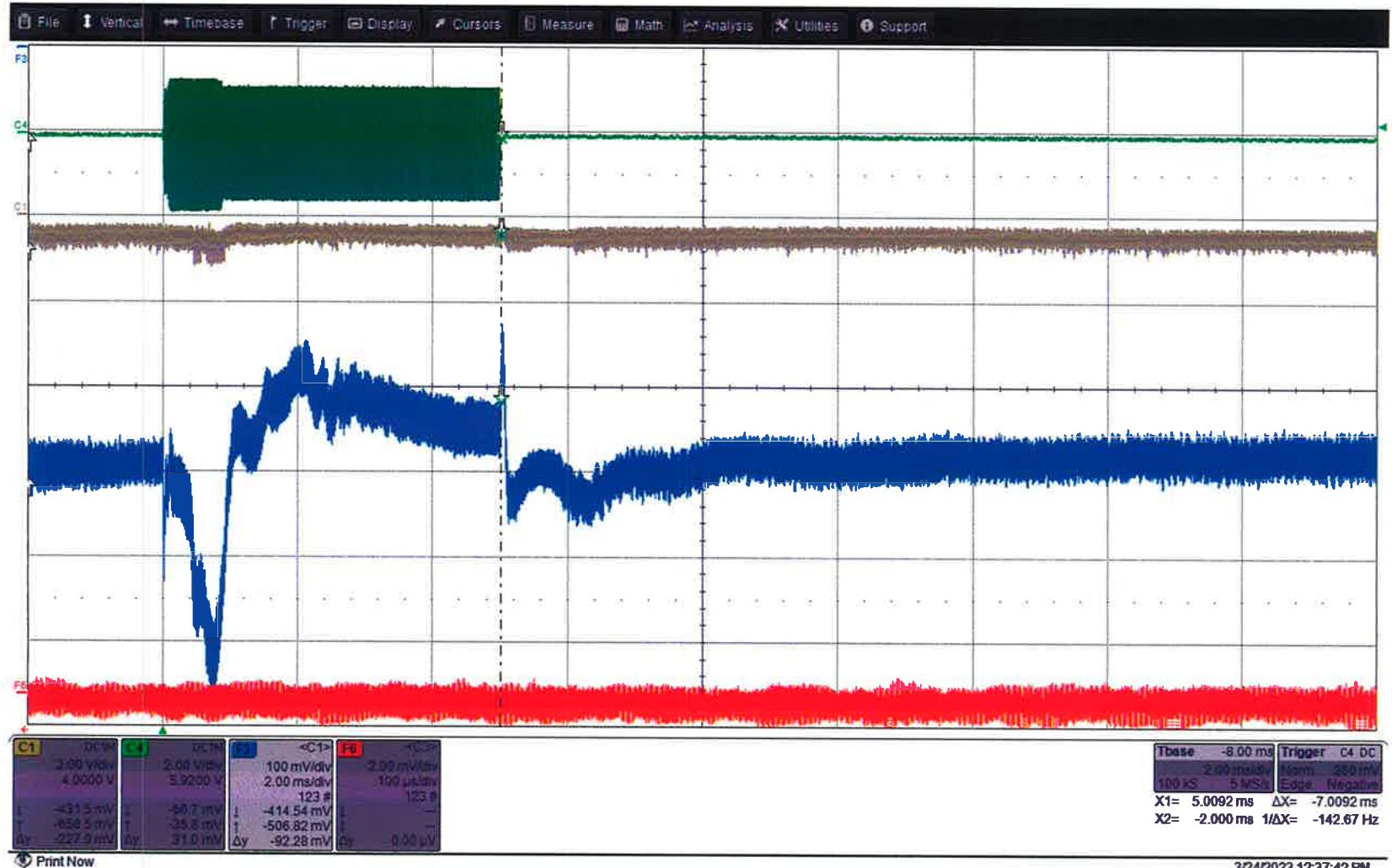
NORMAL

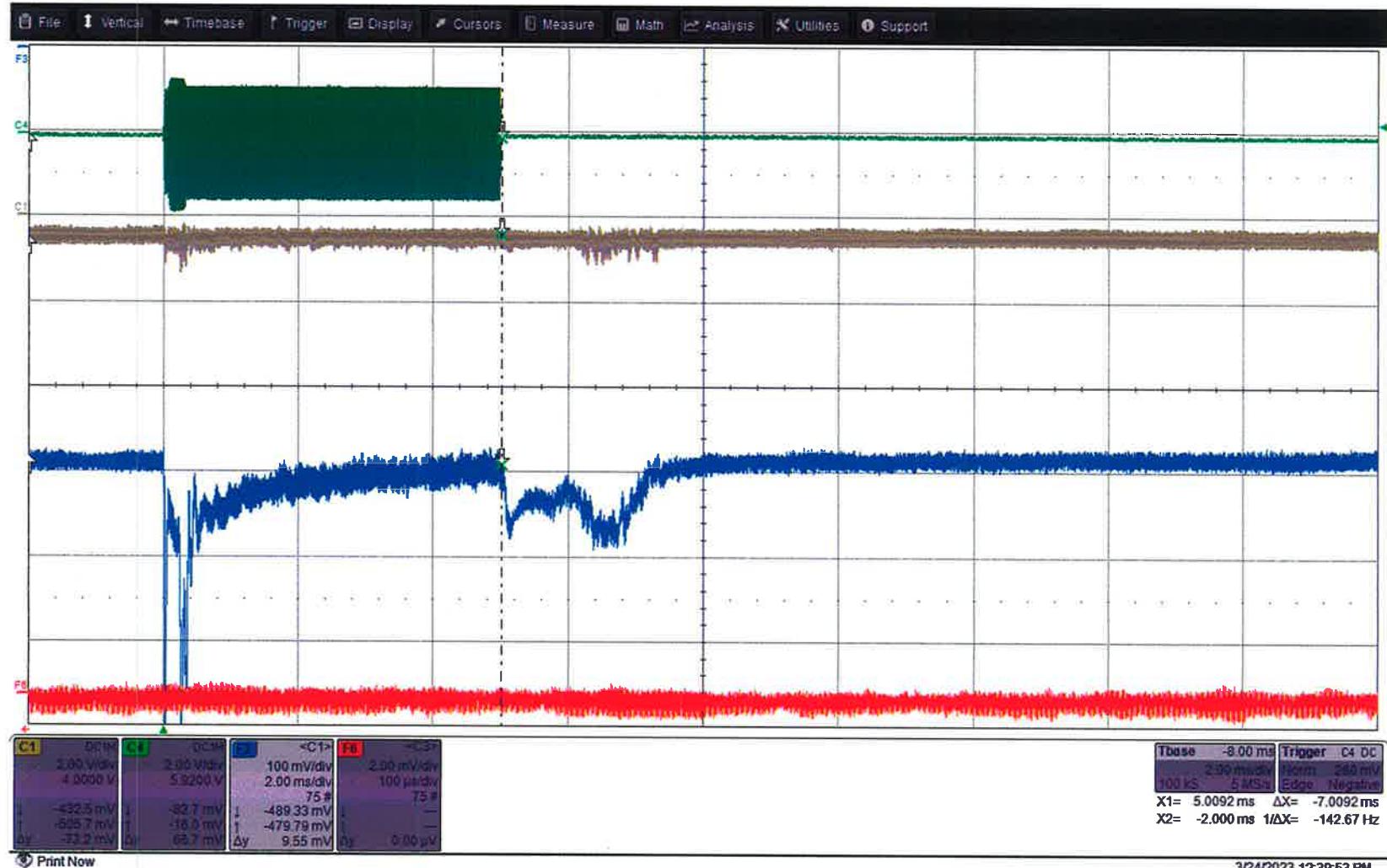




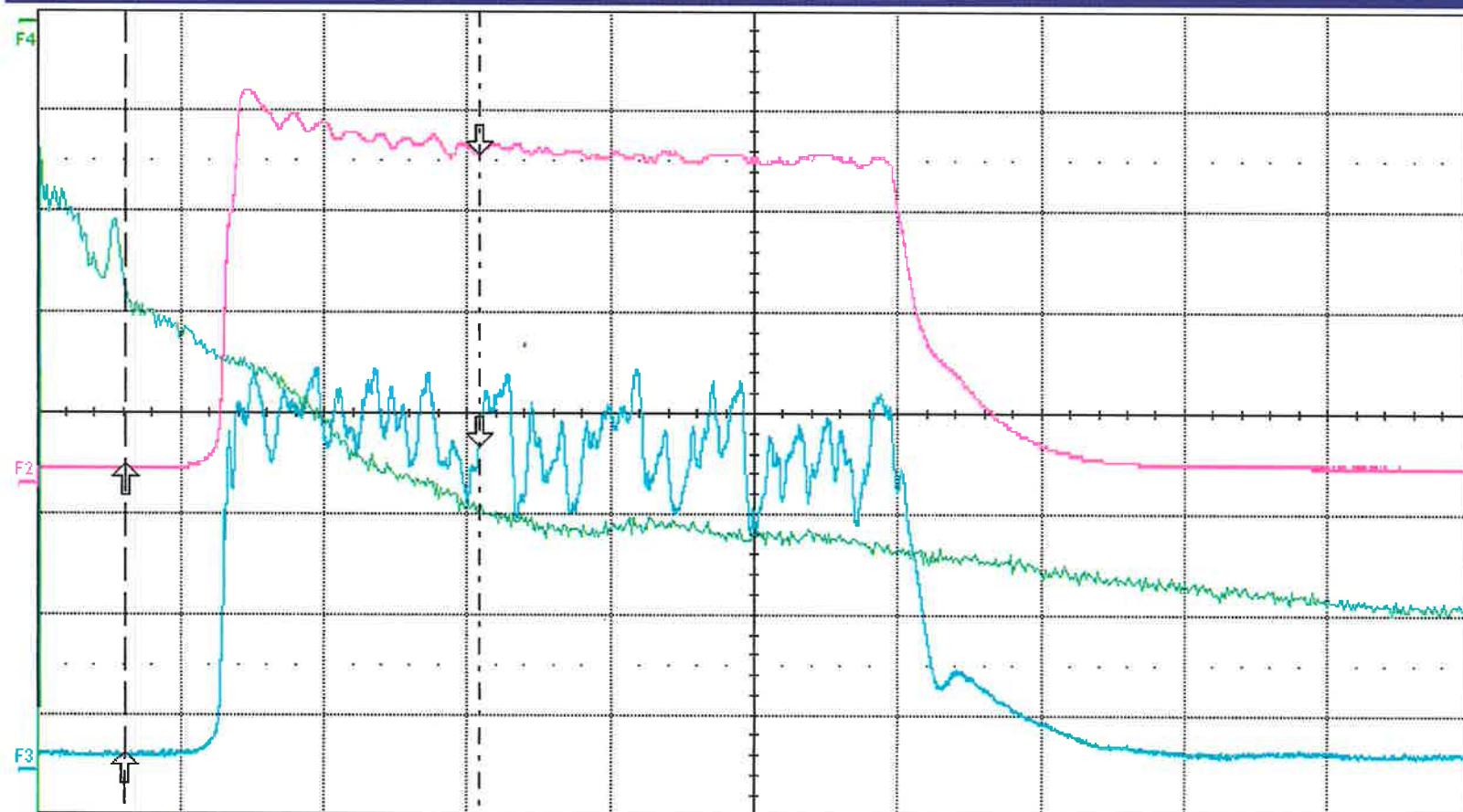
LeCroy

3/24/2023 12:37:45 PM





File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



F2	<F3>	F4
2.00/div	2.00/div	10.0 dB/div
1.00 ms/div	1.00 ms/div	10.0 kHz/div
105 #	105 #	105 #
I 6.590314	I 6.4941	I ---
t 367.502e-3	t 309.7e-3	t ---
Δy -6.222811	Δy -6.1844	Δy ---

Tbase -3.98 ms Trigger Ext/10 DC
50.0 kS 1.00 ms/div Normal 130 mV
5.0 MS/s Edge Negative
X1= 2.0652 ms ΔX= -2.4644 ms
X2= -399.2 μs 1/ΔX= -405.78 Hz